INDEX TO VOLUME 31-A

AMERICAN VOLUME

1949

AUTHORS

A

PAGE

Abbott, LeRoy C.; Saunders, John B. deC. M.; Hagey, Helen; and **Jones, Ellis W., Jr.** Surgical Approaches to the Shoulder Joint 235

Abramson, Daniel J., and **Kamberg, Samuel.** Spondylitis, Pathological Ossification, and Calcification Associated with Spinal-Cord Injury 275

Altenberg, Alfons R., and **Shorkey, Richard L.** Blade-Plate Fixation in Non-Union and in Complicated Fractures of the Supracondylar Region of the Femur 312

Arestad, F. H. The American Medical Association and Specialty Training. (Conference on Post-Graduate Education in Orthopaedic Surgery.) 909

Arestad, F. H. (A Conference of Teachers of Orthopaedic Surgery.) 217

Arkin, Alvin M. The Mechanism of the Structural Changes in Scoliosis 519

Arkin, Alvin M., and **Siffert, Robert S.** Trephine Biopsy of Bone with Special Reference to the Lumbar Vertebral Bodies 146

d'Aubigné, Robert Merle. Surgical Treatment of Non-Union of Long Bones 256

B

Baab, Orren D., and **Smith, Alan DeForest.** A Technique for Arthrodesis of the Hip Joint 727

Babb, Frank Shaleen; Ghormley, Ralph K.; and **Chatterton, Carl C.** Congenital Coxa Vara 115

Badgley, Carl E. (A Conference of Teachers of Orthopaedic Surgery.) 209

Badgley, Carl E. Etiology of Congenital Dislocation of the Hip 341

Badgley, Carl E. The Ideal Curriculum of Resident Training in a University Clinic. (Conference on Post-Graduate Education in Orthpaedic Surgery.) 893

Banks, Sam W. The Treatment of Non-Union of Fractures of the Medial Malleolus 658

Barr, Joseph S. Resident Training in a Navy Hospital. (Conference on Post-Graduate Education in Orthopaedic Surgery.) 898

Barr, Joseph S. The Use of Audio-Visual Aids in Teaching. (A Conference of Teachers of Orthopaedic Surgery.) 211

Barr, Joseph S.; Stinchfield, Allan J.; and **Reidy, John A.** Prediction of Unequal Growth of the Lower Extremities in Anterior Poliomyelitis 478

Beath, Thomas, and **Harris, Robert I.** The Short First Metatarsal. Its Incidence and Clinical Significance 553

Bergmann, Ernst W. Fractures of the Ankylosed Spine 669

Bickel, William H., and **Norley, Theodore.** Calcification of the Bursae of the Knee 417

Blanche, Donald W. Reports of the Visit to Great Britain of Orthopaedic Surgeons from the United States and Canada 683

Blount, Walter P. Letter to the Editor 880

Blount, Walter P., and **Clarke, George R.** Control of Bone Growth by Epiphyseal Stapling. A Preliminary Report 464

Böhler, Jörg, and **Böhler, Lorenz.** Küntscher's Medullary Nailing 295

Böhler, Lorenz, and **Böhler, Jörg.** Küntscher's Medullary Nailing 295

Bosworth, David M., and **Graul, Walter P.** Amputation for Tuberculosis of Joints. A Study of the Therapeutic and Prognostic Value 194

Bosworth, David M., and **Levine, Jack.** Tuberculosis of the Spine. An Analysis of Cases Treated Surgically 267

Boutin, Frank J.; Hulnick, Alvin; and **Highsmith, Charles.** Amputations for Failure in Reconstructive Surgery 639

Brown, Webster H., and **Shackelford, Richard T.** Restricted Jaw Motion Due to Osteochondroma of the Coronoid Process 107

Bunnell, Sterling. Spring Splint to Supinate or Pronate the Hand 664

PAGE

C

Caldwell, Guy A. The Ideal Curriculum for Basic-Science Instruction in Orthopaedic Surgery. (Conference on Post-Graduate Education in Orthopaedic Surgery.) ... 891
Carroll, Robert E., and **Stinchfield, Frank E.** Vitallium-Cup Arthroplasty of the Hip Joint. An End-Result Study ... 628
Castleman, Benjamin; Watkins, Arthur L.; and **Wise, Charles S.** Effect of Diathermy (Short Wave and Microwave) on Bone Growth in the Albino Rat ... 487
Chandler, Fremont A. Closed Drainage of the Knee Joint Following Arthrotomy ... 580
Chandler, Fremont A. Research, Publications, Physical Medicine, and Other Special Subjects in a Resident-Training Program. (Conference on Post-Graduate Education in Orthopaedic Surgery.) ... 902
Chandler, Fremont A. The Use of Audio-Visual Aids in Teaching. (A Conference of Teachers of Orthopaedic Surgery.) ... 211
Chandler, Fremont A., and **Fox, Theodore A.** Amputation for Discrepancy of Limb Length in Tuberculosis of the Hip ... 420
Chatterton, Carl C.; Babb, Frank Shileen; and **Ghormley, Ralph K.** Congenital Coxa Vara ... 115
Cherry, James H., and **Thompson, Paul C.** Universal Splint for Hip Motion ... 434
Clarke, George R., and **Blount, Walter P.** Control of Bone Growth by Epiphyseal Stapling. A Preliminary Report ... 464
Colonna, Paul C. (A Conference of Teachers of Orthopaedic Surgery.) ... 215
Colonna, Paul C., and **Friedenberg, Zachary B.** The Disc Syndrome. Results of the Conservative Care of Patients with Positive Myelograms ... 614
Compere, Edward L. Avascular Necrosis of Large Segmental Fracture Fragments of the Long Bones ... 47
Coughlin, Edward J., Jr. An Abduction Exercise Splint for the Shoulder ... 438
Craig, Frederick S.; McLaughlin, Harrison L.; Gaston, Sawnie R.; and **Neer, Charles S.** Open Reduction and Internal Fixation of Fractures of the Long Bones ... 94

D

Dabbs, G. H.; Mason, H. A.; and **Heinen, John H., Jr.** The Experimental Production of Ectopic Cartilage and Bone in the Muscles of Rabbits ... 765
Dawson, George R., Jr. Intra-Uterine Fractures of the Tibia and Fibula. Report of a Case with Correction by Osteotomy and Plating ... 406
DeLorme, Thomas L., and **Gallagher, J. Roswell.** The Use of the Technique of Progressive-Resistance Exercise in Adolescence ... 847
Dewar, F. P. Reports of the Visit to Great Britain of Orthopaedic Surgeons from the United States and Canada ... 685
Diveley, Rex L. A Lumbosacral Support ... 441

E

Eggers, G. W. N.; Shindler, Thomas O.; and **Pomerat, Charles M.** The Influence of the Contact-Compression Factor on Osteogenesis in Surgical Fractures ... 693
Ergenbright, Willard V., and **Lowry, Frederick C.** Procaine Injection for Relief of Pain in the Hip ... 820

F

Fox, Theodore A., and **Chandler, Fremont A.** Amputation for Discrepancy of Limb Length in Tuberculosis of the Hip ... 420
Frank, Ralph C., and **Pohle, Ernst A.** Radiation Osteitis of the Ribs. Report of a Case with Fractures Appearing Four and One-Half and Eleven Years after Therapy ... 654
Freiberg, J. A. (A Conference of Teachers of Orthopaedic Surgery.) ... 214
Freiberg, Joseph A., and **Gordon, Everett J.** Posterior Dislocation of the Hip with Fracture of the Head of the Femur ... 869
Friedenberg, Zachary B., and **Colonna, Paul C.** The Disc Syndrome. Results of the Conservative Care of Patients with Positive Myelograms ... 614
Friedman, Barry, and **Ponseti, Ignacio V.** Evolution of Metaphyseal Fibrous Defects ... 582

G

Gallagher, J. Roswell, and **DeLorme, Thomas L.** The Use of the Technique of Progressive-Resistance Exercise in Adolescence ... 847
Gallie, W. E. (A Conference of Teachers of Orthopaedic Surgery.) ... 213
Gaston, Sawnie R.; Neer, Charles S.; Craig, Frederick S.; and **McLaughlin, Harrison L.** Open Reduction and Internal Fixation of Fractures of the Long Bones ... 94
Ghormley, John W. (A Conference of Teachers of Orthopaedic Surgery.) ... 214

PAGE

Ghormley, Ralph K. Specialization in Medicine: What is Orthopaedic Surgery? ... 459
Ghormley, Ralph K.; Chatterton, Carl C.; and **Babb, Frank Shaleen.** Congenital Coxa Vara ... 115
Ghormley, Ralph K.; Mathur, P. D.; and **McDonald, John R.** A Study of the Tensile Strength of the Menisci of the Knee ... 650
Gibson, Alexander. Vitallium-Cup Arthroplasty of the Hip Joint. Review of Approximately One Hundred Cases ... 861
Gill, A. Bruce. (A Conference of Teachers of Orthopaedic Surgery.) ... 203, 218
Gordon, Everett J., and **Freiberg, Joseph A.** Posterior Dislocation of the Hip with Fracture of the Head of the Femur ... 869
Grant, Sidney; Scott, Walter; and **Petersen, Ralph C.** A Method of Procuring Iliac Bone by Trephine Curettage ... 860
Graul, Walter P., and **Bosworth, David M.** Amputation for Tuberculosis of Joints. A Study of the Therapeutic and Prognostic Value ... 194
Green, William T. The Ideal Curriculum in Children's Orthopaedic Surgery. (Conference on Post-Graduate Education in Orthopaedic Surgery.) ... 889
Green, William T. The Well-Balanced Curriculum in Orthopaedic Surgery. (A Conference of Teachers of Orthopaedic Surgery.) ... 207
Gunther, Walter A. Posterior Dislocation of the Sternoclavicular Joint. Report of a Case ... 878

H

Hadjistamoff, Boyan. A Modified Plaster-of-Paris Spica Jacket ... 186
Hagey, Helen; Jones, Ellis W., Jr.; Abbott, LeRoy C.; and **Saunders, John B. deC. M.** Surgical Approaches to the Shoulder Joint ... 235
Hanelin, Joseph; Klein, Armin; Joplin, Robert J.; and **Reidy, John A.** Roentgenographic Changes in Nailed Slipped Capital Femoral Epiphysis ... 1
Harmon, Paul H. Muscle Transplanation for Triceps Palsy. The Technique of Utilizing the Latissimus Dorsi ... 409
Harris, Robert I., and **Beath, Thomas.** The Short First Metatarsal. Its Incidence and Clinical Significance ... 553
Hart, Vernon L. Congenital Dysplasia of the Hip Joint. Relationship between Congenital Subluxation and Congenital Dislocation ... 357
Haythorn, Samuel R. Pathological Changes Found in Material Removed at Operation in Legg-Calvé-Perthes Disease ... 599
Heath, Arthur L., and **Schwartz, R. Plato.** Conservative Treatment of Functional Disorders of the Feet in the Adolescent and Adult ... 501
Heinen, John H., Jr.; Dabbs, G. H.; and **Mason, H. A.** The Experimental Production of Ectopic Cartilage and Bone in the Muscles of Rabbits ... 765
Henderson, Melvin S., and **Mussey, Robert D., Jr.** Osteochondromatosis ... 619
Herndon, Charles H., and **Heyman, Clarence H.** Congenital Posterior Angulation of the Tibia ... 571
Heyman, Clarence H., and **Herndon, Charles H.** Congenital Posterior Angulation of the Tibia ... 571
Highsmith, Charles; Boutin, Frank J.; and **Hulnick, Alvin.** Amputations for Failure in Reconstructive Surgery ... 639
Howard, Rex J., and **Thompson, Milton S.** A Rigid Plastic Corset for Arm and Leg Braces ... 439
Howorth, M. Beckett. Slipping of the Upper Femoral Epiphysis ... 734
Hulnick, Alvin; Highsmith, Charles; and **Boutin, Frank J.** Amputations for Failure in Reconstructive Surgery ... 639
Hutter, Charles G., Jr., and **Scott, Walter.** Tibial Torsion ... 511
Hyman, Irving; Obletz, Benjamin E.; Lockie, L. Maxwell; and **Milch, Elmer.** Early Effects of Partial Sensory Denervation of the Hip for Relief of Pain in Chronic Arthritis ... 805

I

Inclán, Alberto. End Results in Physiological Blocking of Flail Joints ... 748
Irwin, Charles E. The Iliotibial Band. Its Role in Producing Deformity in Poliomyelitis ... 141
Isaacson, Alvin S., and **Whitehouse, Walter M.** Spontaneous Sacro-Iliac Obliteration in Patients with Tuberculosis ... 306

J

Jacobs, Julian E., and **Lee, F. Wayne.** Hemangioma of the Knee Joint ... 831
James, Joseph M., and **Johnson, E. W., Jr.** Metastatic Adenocarcinoma of the Talus from the Recto-sigmoid Region. Report of a Case ... 181
Jensen, Werner P. A Spine Retractor of Simple Construction ... 436

PAGE

Johnson, E. W., Jr., and **Janes, Joseph M.** Metastatic Adenocarcinoma of the Talus from the Rectosigmoid Region. Report of a Case ... 181
Johnson, Herman F., and **Stovall, Sidney L.** Departmental Teaching of Fractures in the Medical Schools of the United States ... 199
Johnson, Robert W., Jr. The Well-Balanced Curriculum in Orthopaedic Surgery. (A Conference of Teachers of Orthopaedic Surgery.) ... 206
Jones, Ellis W., Jr.; **Abbott, LeRoy C.**; **Saunders, John B. deC. M.**; and **Hagey, Helen.** Surgical Approaches to the Shoulder Joint ... 235
Joplin, Robert J.; **Reidy, John A.**; **Hanelin, Joseph**; and **Klein, Armin.** Roentgenographic Changes in Nailed Slipped Capital Femoral Epiphysis ... 1

K

Kaiser, Robert A. Obturator Neurectomy for Coxalgia. An Anatomical Study of the Obturator and the Accessory Obturator Nerves ... 815
Kamberg, Samuel, and **Abramson, Daniel J.** Spondylitis, Pathological Ossification, and Calcification Associated with Spinal-Cord Injury ... 275
Kaplan, Emanuel B. Translation from the French of "The Synovial Membrane of the Knee in Pathological Conditions" by Dr. Robert Soeur ... 317
Keats, Sidney; **Ruoff, Andrew C., III**; and **Schlesinger, Philip T.** Fibrous Dysplasia. Report of a Case ... 187
Key, J. Albert. Survival and Growth of an Epiphysis after Removal and Replacement ... 150
Key, J. Albert. What Constitutes a Satisfactory Preceptorship Training? (Conference on Post-Graduate Education in Orthopaedic Surgery.) ... 904
King, Donald. The Relationship of the Division of Orthopaedic Surgery with the Other Divisions of Surgery. (A Conference of Teachers of Orthopaedic Surgery.) ... 210
Kirshbaum, Jack D. Fibrosarcoma of the Tibia Following Chronic Osteomyelitis. Report of a Case ... 413
Klein, Armin; **Joplin, Robert J.**; **Reidy, John A.**; and **Hanelin, Joseph.** Roentgenographic Changes in Nailed Slipped Capital Femoral Epiphysis ... 1
Kleinberg, Samuel. Bilateral Osteochondritis Dissecans of the Patella ... 185
Knight, Robert A. Special Training the Resident Should Have in Cerebral Palsy. (Conference on Post-Graduate Education in Orthopaedic Surgery.) ... 899
Knight, Robert A., and **Purvis, George D.** Fractures of Both Bones of the Forearm in Adults ... 755
Krueger, Frederick J., and **Michele, Arthur A.** Surgical Approach to the Vertebral Body ... 873
Kuhns, John G. Changes in Elastic Adipose Tissue ... 541

L

von Lackum, William H., and **Miller, J. P.** Critical Observations of the Results in the Operative Treatment of Scoliosis ... 102
Lacroix, Pierre. The Growth of the Bone Marrow ... 776
Lee, F. Wayne, and **Jacobs, Julian E.** Hemangioma of the Knee Joint ... 831
Lenhard, Raymond E. Special Training for the Resident Staff in Infantile Paralysis. (Conference on Post-Graduate Education in Orthopaedic Surgery.) ... 900
Leonard, Morton H. Injuries of the Lateral Ligaments of the Ankle. A Clinical and Experimental Study ... 373
Leonard, Morton H. Low Insertion of the Hip Nail ... 612
Levine, Jack, and **Bosworth, David M.** Tuberculosis of the Spine. An Analysis of Cases Treated Surgically ... 267
Littler, J. William. Tendon Transfers and Arthrodeses in Combined Median and Ulnar Nerve Paralysis ... 225
Lockie, L. Maxwell; **Milch, Elmer**; **Hyman, Irving**; and **Obletz, Benjamin E.** Early Effects of Partial Sensory Denervation of the Hip for Relief of Pain in Chronic Arthritis ... 805
Lowry, Frederick C., and **Ergenbright, Willard V.** Procaine Injection for Relief of Pain in the Hip ... 820

M

McBride, Earl D. A Mortised Transfacet Bone Block for Lumbosacral Fusion ... 385
McDonald, John R.; **Ghormley, Ralph K.**; and **Mathur, P. D.** A Study of the Tensile Strength of the Menisci of the Knee ... 650
McKeever, Francis M. Results of the Survey on the Requirements for Basic-Science Training. (Conference on Post-Graduate Education in Orthopaedic Surgery.) ... 906
McKeever, Francis M., and **Wilson, John C.** Traumatic Posterior (Retroglenoid) Dislocation of the Humerus ... 160
McLaughlin, Harrison L.; **Gaston, Sawnie R.**; **Neer, Charles S.**; and **Craig, Frederick S.** Open Reduction and Internal Fixation of Fractures of the Long Bones ... 94

PAGE

Magnuson, Paul B. (A Conference of Teachers of Orthopaedic Surgery.) ... 212
Markheim, Herbert R. Legg-Perthes Disease and Slipped Epiphysis in the Same Patient. A Case Report 666
Mason, H. A.; Heinen, John H., Jr.; and Dabbs, G. H. The Experimental Production of Ectopic Cartilage and Bone in the Muscles of Rabbits ... 765
Mathur, P. D.; McDonald, John R.; and Ghormley, Ralph K. A Study of the Tensile Strength of the Menisci of the Knee ... 650
Mayer, Leo. Translation of "A Type of Extension Apparatus" by Dr. A. von Petz ... 191
Michele, Arthur A., and Krueger, Frederick J. Surgical Approach to the Vertebral Body ... 873
Milch, Elmer; Hyman, Irving; Obletz, Benjamin E.; and Lockie, L. Maxwell. Early Effects of Partial Sensory Denervation of the Hip for Relief of Pain in Chronic Arthritis ... 805
Milch, Henry. The Treatment of Recent Dislocations and Fracture-Dislocations of the Shoulder ... 173
Miller, J. P., and von Lackum, William H. Critical Observations of the Results in the Operative Treatment of Scoliosis ... 102
Miller, Leo Frederick, and O'Neill, Colman J. Myositis Ossificans in Paraplegics ... 283
Moore, John Royal. Delayed Autogenous Bone Graft in the Treatment of Congenital Pseudarthrosis ... 23
Murphy, Ian D. An Unusual Form of de Quervain's Syndrome. Report of Two Cases ... 858
Mussey, Robert D., Jr.; and Henderson, Melvin S. Osteochondromatosis ... 619

N

Naden, John R. External Skeletal Fixation in the Treatment of Fractures of the Tibia ... 586
Neer, Charles S.; Craig, Frederick S.; McLaughlin, Harrison L.; and Gaston, Sawnie R. Open Reduction and Internal Fixation of Fractures of the Long Bones ... 94
Nicholson, Jesse T. The Graduate School of Medicine. Course in Orthopaedic Surgery and Its Curriculum. (Conference on Post-Graduate Education in Orthopaedic Surgery.) ... 903
Nicola, Toufick. Acute Anterior Dislocation of the Shoulder ... 153
Norley, Theodore, and Bickel, William H. Calcification of the Bursae of the Knee ... 417

O

Obletz, Benjamin E.; Lockie, L. Maxwell; Milch, Elmer; and Hyman, Irving. Early Effects of Partial Sensory Denervation of the Hip for Relief of Pain in Chronic Arthritis ... 805
O'Donoghue, Don H. (A Conference of Teachers of Orthopaedic Surgery.) ... 213
Oliver, David R., and Reynolds, Fred C. Clinical Evaluation of the Merthiolate Bone Bank. A Preliminary Report ... 792
O'Neill, Colman, J., and Miller, Leo Frederick. Myositis Ossificans in Paraplegics ... 283
Owen, J. T., and Spears, George N. The Etiology of Trochanteric Fractures of the Femur ... 548

P

Patrick, James. Intracapsular Fractures of the Femur Treated with a Combined Smith-Petersen Nail and Fibular Graft ... 67
Perkins, George. (A Conference of Teachers of Orthopaedic Surgery.) ... 216
Petersen, Ralph C.; Grant, Sidney; and Scott, Walter. A Method of Procuring Iliac Bone by Trephine Curettage ... 860
von Petz, A. A Type of Extension Apparatus ... 191
Phemister, Dallas B. Treatment of the Necrotic Head of the Femur in Adults ... 55
Pohle, Ernst A., and Frank, Ralph C. Radiation Osteitis of the Ribs. Report of a Case with Fractures Appearing Four and One-Half and Eleven Years after Therapy ... 654
Pomerat, Charles M.; Eggers, G. W. N.; and Shindler, Thomas O. The Influence of the Contact-Compression Factor on Osteogenesis in Surgical Fractures ... 693
Ponseti, Ignacio V., and Friedman, Barry. Evolution of Metaphyseal Fibrous Defects ... 582
Purvis, George D., and Knight, Robert A. Fractures of Both Bones of the Forearm in Adults ... 755

R

Ralston, Edgar L., and Thompson, Walter A. L. Pseudarthrosis Following Spine Fusion ... 400
Raney, R. Beverly. Andry and the *Orthopaedia* ... 675
Reidy, John A.; Barr, Joseph S.; and Stinchfield, Allan J. Prediction of Unequal Growth of the Lower Extremities in Anterior Poliomyelitis ... 478
Reidy, John A.; Hanelin, Joseph; Klein, Armin; and Joplin, Robert J. Roentgenographic Changes in Nailed Slipped Capital Femoral Epiphysis ... 1
Reynolds, Fred C., and Oliver, David R. Clinical Evaluation of the Merthiolate Bone Bank. A Preliminary Report ... 792
Roche, Maurice B. The Pathology of Neural-Arch Defects. A Dissection Study ... 529

PAGE

Rounds, Roy C. Isolated Fracture of the Coracoid Process 662
Ruoff, Andrew C., III; Schlesinger, Philip T.; and Keats, Sidney. Fibrous Dysplasia. Report of a Case . 187

S

Saunders, John B. deC. M.; Hagey, Helen; Jones, Ellis W., Jr.; and Abbott, LeRoy C. Surgical Approaches to the Shoulder Joint 235
Schlesinger, Philip T.; Keats, Sidney; and Ruoff, Andrew C., III. Fibrous Dysplasia. Report of a Case . 187
Schneider, Richard C. Acute Traumatic Posterior Dislocation of an Intervertebral Disc with Paralysis . 566
Schwartz, R. Plato, and Heath, Arthur L. Conservative Treatment of Functional Disorders of the Feet in the Adolescent and Adult 501
Scott, Walter, and Hutter, Charles G., Jr. Tibial Torsion 511
Scott, Walter; Petersen, Ralph C.; and Grant, Sidney. A Method of Procuring Iliac Bone by Trephine Curettage 860
Shackelford, Richard T., and Brown, Webster H. Restricted Jaw Motion Due to Osteochondroma of the Coronoid Process 107
Shands, A. R., Jr. (Conference on Post-Graduate Education in Orthopaedic Surgery.) 887, 911
Shands, A. R., Jr. (A Conference of Teachers of Orthopaedic Surgery.) 203
Shindler, Thomas O.; Pomerat, Charles M.; and Eggers, G. W. N. The Influence of the Contact-Compression Factor on Osteogenesis in Surgical Fractures 693
Shorkey, Richard L., and Altenberg, Alfons R. Blade-Plate Fixation in Non-Union and in Complicated Fractures of the Supracondylar Region of the Femur 312
Siffert, Robert S., and Arkin, Alvin M. Trephine Biopsy of Bone with Special Reference to the Lumbar Vertebral Bodies 146
Smith, Alan DeForest. A Program for Training in Adult Orthopaedic Surgery and Fractures. (Conference on Post-Graduate Education in Orthopaedic Surgery.) 888
Smith, Alan DeForest. The Relationship of the Division of Orthopaedic Surgery with the Other Divisions of Surgery. (A Conference of Teachers of Orthopaedic Surgery.) 210
Smith, Alan DeForest, and Baab, Orren D. A Technique for Arthrodesis of the Hip Joint 727
Smith-Petersen, M. N. Approach to and Exposure of the Hip Joint for Mold Arthroplasty 40
Snedecor, Spencer T., and Wilson, Harrison B. Some Obstetrical Injuries to the Long Bones 378
Soeur, Robert. The Synovial Membrane of the Knee in Pathological Conditions 317
Spears, George N., and Owen, J. T. The Etiology of Trochanteric Fractures of the Femur 548
Speed, J. S. The Ideal Curriculum of Resident Training in a Private Clinic. (Conference on Post-Graduate Education in Orthopaedic Surgery.) 894
Spittler, August W., and Taylor, Lloyd W. Causes for Amputations Performed at Walter Reed General Hospital during 1947 and 1948 800
Spotoff, Johs. Osteosynthesis of the Neck of the Femur 836
Sprecher, Edwin E. Trigger Thumb in Infants 672
Steindler, Arthur. (A Conference of Teachers of Orthopaedic Surgery.) 215
Stewart, Marcus J. Aspects of Physical Reconditioning 394
Stiefel, Daniel M. Adaptations of the Surgical Engine 442
Stinchfield, Allan J.; Reidy, John A.; and Barr, Joseph S. Prediction of Unequal Growth of the Lower Extremities in Anterior Poliomyelitis 478
Stinchfield, Frank E., and Carroll, Robert E. Vitallium-Cup Arthroplasty of the Hip Joint. An End-Result Study 628
Stone, Meyer M. Forceps for Grasping and Holding Bone Plates 665
Stovall, Sidney L., and Johnson, Herman F. Departmental Teaching of Fractures in the Medical Schools of the United States 199
Street, Dana M. Resident Training in a Veterans Administration Hospital. (Conference on Post-Graduate Education in Orthopaedic Surgery.) 895

T

Tanner, Frank H., and Thomson, J. E. M. Tumoral Calcinosis 132
Taylor, Lloyd W., and Spittler, August W. Causes for Amputations Performed at Walter Reed General Hospital during 1947 and 1948 800
Thomas, Atha. Special Training the Resident Should Have in the Fitting and Making of Braces and Prostheses. (Conference on Post-Graduate Education in Orthopaedic Surgery.) 901
Thompson, Milton S. Resident Training in an Army Hospital. (Conference on Post-Graduate Education in Orthopaedic Surgery.) 897
Thompson, Milton S., and Howard, Rex J. A Rigid Plastic Corset for Arm and Leg Braces 439
Thompson, Paul C., and Cherry, James H. Universal Splint for Hip Motion 434

PAGE

Thompson, Walter A. L., and **Ralston, Edgar L.** Pseudarthrosis Following Spine Fusion 400
Thomson, J. E. M., and **Tanner, Frank H.** Tumoral Calcinosis 132
Thomson, Stuart A. The Treatment of Congenital Club-Foot. Nine Years' Experience with a Modification of the Denis Browne Method and Splint 431
Thornton, Lawson. A Method of Subtrochanteric Limb Shortening 81

V

Van Gorder, George W. The Trumble Operation for Fusion of the Hip 717

W

Watkins, Arthur L. Electromyography in Orthopaedics 822
Watkins, Arthur L.; Wise, Charles S.; and **Castleman, Benjamin.** Effect of Diathermy (Short Wave and Microwave) on Bone Growth in the Albino Rat 487
Weaver, James B. Experiences in the Use of Homogenous (Bone Bank) Bone 778
Whitehouse, Walter M., and **Isaacson, Alvin S.** Spontaneous Sacro-Iliac Obliteration in Patients with Tuberculosis 306
Willis, Theodore A. Nutrient Arteries of the Vertebral Bodies 538
Wilson, Harrison B., and **Snedecor, Spencer T.** Some Obstetrical Injuries to the Long Bones 378
Wilson, John C., and **McKeever, Francis M.** Traumatic Posterior (Retroglenoid) Dislocation of the Humerus 160
Wilson, Philip D. The American College of Surgeons. Training in Surgery and the Surgical Specialties. (Conference on Post-Graduate Education in Orthopaedic Surgery.) 908
Wilson, William J. A Simple and Effective Splint for Use in the Treatment of Clawing of the Toes 198
Winant, Edward M. The Use of Skeletal Traction in the Treatment of Fractures of the Femur 87
Wise, Charles S.; Castleman, Benjamin; and **Watkins, Arthur L.** Effect of Diathermy (Short Wave and Microwave) on Bone Growth in the Albino Rat 487
Wise, Robert A. A Successful Prosthesis for Sacro-Iliac Disarticulation (Hemipelvectomy) 426

Y

Young, Paul Thomas. Mechanical Aids for Patients with Muscular Disability 428

SUBJECT INDEX

A

[**A.B.C. Club.**] Reports of the Visit to Great Britain of Orthopaedic Surgeons from the United States and Canada. Donald W. Blanche and F. P. Dewar 683
Abduction Exercise Splint for the Shoulder, An. Edward J. Coughlin, Jr. 438
[**Abduction Pillow Splint.**] Congenital Dysplasia of the Hip Joint. Relationship between Congenital Subluxation and Congenital Dislocation. Vernon L. Hart 357
[**Abduction-Traction-Pulsion** Method.] The Treatment of Recent Dislocations and Fracture-Dislocations of the Shoulder. Henry Milch 173
[**Accessory Obturator Nerve.**] Early Effects of Partial Sensory Denervation of the Hip for Relief of Pain in Chronic Arthritis. Benjamin E. Obletz, L. Maxwell Lockie, Elmer Milch, and Irving Hyman 805
Accessory Obturator Nerves, An Anatomical Study of the Obturator and the. Obturator Neurectomy for Coxalgia. Robert A. Kaiser 815
[**Acetabulum.**] Approach to and Exposure of the Hip Joint for Mold Arthroplasty. M. N. Smith-Petersen 40
[**Acetabulum.**] Congenital Dysplasia of the Hip Joint. Relationship between Congenital Subluxation and Congenital Dislocation. Vernon L. Hart 357
[**Acetabulum.**] Etiology of Congenital Dislocation of the Hip. Carl E. Badgley 341
[**Acetabulum.**] Obturator Neurectomy for Coxalgia. An Anatomical Study of the Obturator and the Accessory Obturator Nerves. Robert A. Kaiser 815
[**Acetabulum.**] Pathological Changes Found in Material Removed at Operation in Legg-Calvé-Perthes Disease. Samuel R. Haythorn 599
[**Acetabulum.**] Posterior Dislocation of the Hip with Fracture of the Head of the Femur. Everett J. Gordon and Joseph A. Freiberg 869

PAGE

[**Acetabulum.**] Slipping of the Upper Femoral Epiphysis. M. Beckett Howorth 734

[**Acetabulum.**] A Technique for Arthrodesis of the Hip Joint. Alan DeForest Smith and Orren D. Baab 727

[**Acetabulum.**] Vitallium-Cup Arthroplasty of the Hip Joint. Review of Approximately One Hundred Cases. Alexander Gibson 861

[**Acromioclavicular Joint.**] Surgical Approaches to the Shoulder Joint. LeRoy C. Abbott, John B. deC. M. Saunders, Helen Hagey, and Ellis W. Jones, Jr. 235

[**Acromion.**] Traumatic Posterior (Retroglenoid) Dislocation of the Humerus. John C. Wilson and Francis M. McKeever 160

Acute Anterior Dislocation of the Shoulder. Toufick Nicola 153

Acute Traumatic Posterior Dislocation of an Intervertebral Disc with Paralysis. Richard C. Schneider 566

Adaptations of the Surgical Engine. Daniel M. Stiefel 442

Adenocarcinoma of the Talus, Metastatic, from the Rectosigmoid Region. Report of a Case. E. W. Johnson, Jr., and Joseph M. Janes 181

[**Adipose Synovial Membrane.**] The Synovial Membrane of the Knee in Pathological Conditions. Robert Soeur 317

Adipose Tissue, Elastic, Changes in. John G. Kuhns 541

Adolescence, The Use of the Technique of Progressive-Resistance Exercise in. J. Roswell Gallagher and Thomas L. DeLorme 847

Adolescent and Adult, Conservative Treatment of Functional Disorders of the Feet in the. R. Plato Schwartz and Arthur L. Heath 501

Adults, Fractures of Both Bones of the Forearm in. Robert A. Knight and George D. Purvis 755

Adults, Treatment of the Necrotic Head of the Femur in. Dallas B. Phemister 55

Aids, Mechanical, for Patients with Muscular Disability. Paul Thomas Young 428

Albino Rat, Effect of Diathermy (Short Wave and Microwave) on Bone Growth in the. Charles S. Wise, Benjamin Castleman, and Arthur L. Watkins 487

Alpha Chi Omega 880

American Academy of Orthopaedic Surgeons, The 219, 447, 688, 880

American Academy of Orthopaedic Surgeons, The, Joint Committee on Post-Graduate Training of The American Orthopaedic Association and. Conference on Post-Graduate Education in Orthopaedic Surgery 887

[**American Academy of Orthopaedic Surgeons, The,** Report of the Committee on Fractures and Traumatic Surgery of.] Departmental Teaching of Fractures in the Medical Schools of the United States. Herman F. Johnson and Sidney L. Stovall 199

American Association of Railway Surgeons 446

American Board for Certification of the Prosthetic and Orthopaedic Appliance Industry, Inc. 447

American Board of Orthopaedic Surgery, Inc. 688

American College of Surgeons, The. Training in Surgery and the Surgical Specialties. (Conference on Post-Graduate Education in Orthopaedic Surgery.) Philip D. Wilson 908

American Medical Association and Specialty Training, The. (Conference on Post-Graduate Education in Orthopaedic Surgery.) F. H. Arestad 909

American Orthopaedic Association, The 444, 690, 880

[**American Orthopaedic Association, The,** Committee on Undergraduate Training of.] A Conference of Teachers of Orthopaedic Surgery 203

American Orthopaedic Association, The, Joint Committee on Post-Graduate Training of The American Academy of Orthopaedic Surgeons and. Conference on Post-Graduate Education in Orthopaedic Surgery 887

[**American Orthopaedic Association, The,** Presidential Address.] Specialization in Medicine: What is Orthopaedic Surgery? Ralph K. Ghormley 459

American Public Health Association 446, 689, 880

American Society for Surgery of the Hand, The 219

Amputations, Causes for, Performed at Walter Reed General Hospital during 1947 and 1948. August W. Spittler and Lloyd W. Taylor 800

Amputation for Discrepancy of Limb Length in Tuberculosis of the Hip. Fremont A. Chandler and Theodore A. Fox 420

Amputations for Failure in Reconstructive Surgery. Alvin Hulnick, Charles Highsmith, and Frank J. Boutin 639

[**Amputation.**] A Successful Prosthesis for Sacro-Iliac Disarticulation (Hemipelvectomy). Robert A. Wise 426

Amputation for Tuberculosis of Joints. A Study of the Therapeutic and Prognostic Value. David M. Bosworth and Walter P. Graul 194

PAGE

[**Amyloidosis.**] Tuberculosis of the Spine. An Analysis of Cases Treated Surgically. David M. Bosworth and Jack Levine ... 267

[**Amyloidosis.**] Tumoral Calcinosis. J. E. M. Thomson and Frank H. Tanner ... 132

Analysis of Cases Treated Surgically, An. Tuberculosis of the Spine. David M. Bosworth and Jack Levine ... 267

Anatomical Study of the Obturator and the Accessory Obturator Nerves, An. Obturator Neurectomy for Coxalgia. Robert A. Kaiser ... 815

Andry and the *Orthopaedia*. R. Beverly Raney ... 675

[**Angulation of Radius.**] Fractures of Both Bones of the Forearm in Adults. Robert A. Knight and George D. Purvis ... 755

Angulation of the Tibia, Congenital Posterior. Clarence H. Heyman and Charles H. Herndon ... 571

[**Ankle.**] End Results in Physiological Blocking of Flail Joints. Alberto Inclán ... 748

Ankle, Injuries of the Lateral Ligaments of the. A Clinical and Experimental Study. Morton H. Leonard ... 373

[**Ankle.**] Metastatic Adenocarcinoma of the Talus from the Rectosigmoid Region. Report of a Case. E. W. Johnson, Jr., and Joseph M. Janes ... 181

[**Ankle.**] The Treatment of Non-Union of Fractures of the Medial Malleolus. Sam W. Banks ... 658

[**Ankle Motion.**] Universal Splint for Hip Motion. Paul C. Thompson and James H. Cherry ... 434

Ankylosed Spine, Fractures of the. Ernst W. Bergmann ... 669

[**Ankylosis.**] Spontaneous Sacro-Iliac Obliteration in Patients with Tuberculosis. Alvin S. Isaacson and Walter M. Whitehouse ... 306

Anterior Dislocation of the Shoulder, Acute. Toufick Nicola ... 153

[**Anterior Heel.**] Conservative Treatment of Functional Disorders of the Feet in the Adolescent and Adult. R. Plato Schwartz and Arthur L. Heath ... 501

Anterior Poliomyelitis, Prediction of Unequal Growth of the Lower Extremities in. Allan J. Stinchfield, John A. Reidy, and Joseph S. Barr ... 478

[**Anteversion.**] Etiology of Congenital Dislocation of the Hip. Carl E. Badgley ... 341

[**Apophyseal Joints.**] Spondylitis, Pathological Ossification, and Calcification Associated with Spinal-Cord Injury. Daniel J. Abramson and Samuel Kamberg ... 275

Apparatus, A Type of Extension. A. von Petz ... 191

Apparatus and Appliances

Abduction Exercise Splint for the Shoulder, An. Edward J. Coughlin, Jr. ... 438

Acute Anterior Dislocation of the Shoulder. Toufick Nicola ... 153

Adaptations of the Surgical Engine. Daniel M. Stiefel ... 442

Lumbosacral Support, A. Rex L. Diveley ... 441

Mechanical Aids for Patients with Muscular Disability. Paul Thomas Young ... 428

Modified Plaster-of-Paris Spica Jacket, A. Boyan Hadjistamoff ... 186

Rigid Plastic Corset for Arm and Leg Braces, A. Milton S. Thompson and Rex J. Howard ... 439

Simple and Effective Splint for Use in the Treatment of Clawing of the Toes, A. William J. Wilson ... 198

Spine Retractor of Simple Construction, A. Werner P. Jensen ... 436

Spring Splint to Supinate or Pronate the Hand. Sterling Bunnell ... 664

Study of the Tensile Strength of the Menisci of the Knee, A. P. D. Mathur, John R. McDonald, and Ralph K. Ghormley ... 650

Successful Prosthesis for Sacro-Iliac Disarticulation (Hemipelvectomy), A. Robert A. Wise ... 426

Tendon Transfers and Arthrodeses in Combined Median and Ulnar Nerve Paralysis. J. William Littler ... 225

Treatment of Congenital Club-Foot, The. Nine Years' Experience with a Modification of the Denis Browne Method and Splint. Stuart A. Thomson ... 431

Type of Extension Apparatus, A. A. von Petz ... 191

Universal Splint for Hip Motion. Paul C. Thompson and James H. Cherry ... 434

Approach to and Exposure of the Hip Joint for Mold Arthroplasty. M. N. Smith-Petersen ... 40

Approach, Surgical, to the Vertebral Body. Arthur A. Michele and Frederick J. Krueger ... 873

Approaches, Surgical, to the Shoulder Joint. LeRoy C. Abbott, John B. deC. M. Saunders, Helen Hagey, and Ellis W. Jones, Jr. ... 235

Arch, Neural-, Defects, The Pathology of. A Dissection Study. Maurice B. Roche ... 529

[**Arches, Neural.**] Tuberculosis of the Spine. An Analysis of Cases Treated Surgically. David M. Bosworth and Jack Levine ... 267

Arm and Leg Braces, A Rigid Plastic Corset for. Milton S. Thompson and Rex J. Howard ... 439

[**Arrest** of Growth.] Control of Bone Growth by Epiphyseal Stapling. A Preliminary Report. Walter P. Blount and George R. Clarke ... 464

Arteries, Nutrient, of the Vertebral Bodies. Theodore A. Willis ... 538

PAGE

Arthritis, Chronic, Early Effects of Partial Sensory Denervation of the Hip for Relief of Pain in. Benjamin E. Obletz, L. Maxwell Lockie, Elmer Milch, and Irving Hyman ... 805
[**Arthritis,** Hypertrophic.] Procaine Injection for Relief of Pain in the Hip. Willard V. Ergenbright and Frederick C. Lowry ... 821
[**Arthritis.**] A Technique for Arthrodesis of the Hip Joint. Alan DeForest Smith and Orren D. Baab ... 727
[**Arthritis,** Villous.] The Synovial Membrane of the Knee in Pathological Conditions. Robert Soeur ... 317
[**Arthritis.**] Vitallium-Cup Arthroplasty of the Hip Joint. An End-Result Study. Frank E. Stinchfield and Robert E. Carroll ... 628
Arthrodeses, Tendon Transfers and, in Combined Median and Ulnar Nerve Paralysis. J. William Littler ... 225
[**Arthrodesis.**] End Results in Physiological Blocking of Flail Joints. Alberto Inclán ... 748
Arthrodesis of the Hip Joint, A Technique for. Alan DeForest Smith and Orren D. Baab ... 727
[**Arthrodesis,** Ischiofemoral.] The Trumble Operation for Fusion of the Hip. George W. Van Gorder ... 717
[**Arthrodesis.**] Vitallium-Cup Arthroplasty of the Hip Joint. Review of Approximately One Hundred Cases. Alexander Gibson ... 861
[**Arthroereisis.**] End Results in Physiological Blocking of Flail Joints. Alberto Inclán ... 748
[**Arthrokatadysis.**] Vitallium-Cup Arthroplasty of the Hip Joint. An End-Result Study. Frank E. Stinchfield and Robert E. Carroll ... 628
Arthroplasty, Mold, Approach to and Exposure of the Hip Joint for. M. N. Smith-Petersen ... 40
[**Arthroplasty.**] Universal Splint for Hip Motion. Paul C. Thompson and James H. Cherry ... 434
Arthroplasty, Vitallium-Cup, of the Hip Joint. An End-Result Study. Frank E. Stinchfield and Robert E. Carroll ... 628
Arthroplasty, Vitallium-Cup, of the Hip Joint. Review of Approximately One Hundred Cases. Alexander Gibson ... 861
[**Arthrosis.**] Osteosynthesis of the Neck of the Femur. Johs. Spotoft ... 836
Arthrotomy, Closed Drainage of the Knee Joint Following. Fremont A. Chandler ... 580
[**Arthrotomy.**] Hemangioma of the Knee Joint. Julian E. Jacobs and F. Wayne Lee ... 831
[**Aseptic Necrosis.**] Congenital Coxa Vara. Frank Shaleen Babb, Ralph K. Ghormley, and Carl C. Chatterton ... 115
[**Aseptic Necrosis.**] Pathological Changes Found in Material Removed at Operation in Legg-Calvé-Perthes Disease. Samuel R. Haythorn ... 599
[**Aseptic Necrosis.**] Treatment of the Necrotic Head of the Femur in Adults. Dallas B. Phemister ... 55
Aspects of Physical Reconditioning. Marcus J. Stewart ... 394
Association of Bone and Joint Surgeons ... 688
[**Astragalus.**] End Results in Physiological Blocking of Flail Joints. Alberto Inclán ... 748
Autogenous Bone Graft, Delayed, in the Treatment of Congenital Pseudarthrosis. John Royal Moore ... 23
[**Autogenous Grafts.**] Clinical Evaluation of the Merthiolate Bone Bank. A Preliminary Report. Fred C. Reynolds and David R. Oliver ... 792
Avascular Necrosis of Large Segmental Fracture Fragments of the Long Bones. Edward L. Compere ... 47
[**Axillary Nerve.**] Surgical Approaches to the Shoulder Joint. LeRoy C. Abbott, John B. deC. M. Saunders, Helen Hagey, and Ellis W. Jones, Jr. ... 235

B

[**Back.**] Acute Traumatic Posterior Dislocation of an Intervertebral Disc with Paralysis. Richard C. Schneider ... 566
[**Back.**] Critical Observations of the Results in the Operative Treatment of Scoliosis. William H. von Lackum and J. P. Miller ... 102
[**Back.**] Fractures of the Ankylosed Spine. Ernst W. Bergmann ... 669
[**Back.**] A Lumbosacral Support. Rex L. Diveley ... 441
[**Back.**] The Mechanism of the Structural Changes in Scoliosis. Alvin M. Arkin ... 519
[**Back.**] A Mortised Transfacet Bone Block for Lumbosacral Fusion. Earl D. McBride ... 385
[**Back.**] Nutrient Arteries of the Vertebral Bodies. Theodore A. Willis ... 538
[**Back.**] The Pathology of Neural-Arch Defects. A Dissection Study. Maurice B. Roche ... 529
[**Back.**] Pseudarthrosis Following Spine Fusion. Walter A. L. Thompson and Edgar L. Ralston ... 400
[**Back.**] Spontaneous Sacro-Iliac Obliteration in Patients with Tuberculosis. Alvin S. Isaacson and Walter M. Whitehouse ... 306
[**Back.**] Tuberculosis of the Spine. An Analysis of Cases Treated Surgically. David M. Bosworth and Jack Levine ... 267
[**Back.**] The Use of the Technique of Progressive-Resistance Exercise in Adolescence. J. Roswell Gallagher and Thomas L. DeLorme ... 847
[**Back Injuries.**] Aspects of Physical Reconditioning. Marcus J. Stewart ... 394

PAGE

[Back Pain.] The Disc Syndrome. Results of the Conservative Care of Patients with Positive Myelograms. Paul C. Colonna and Zachary B. Friedenberg ... 614
Band, The Iliotibial. Its Role in Producing Deformity in Poliomyelitis. Charles E. Irwin ... 141
(Bank, Bone) Bone, Homogenous, Experiences in the Use of. James B. Weaver ... 778
Bilateral Osteochondritis Dissecans of the Patella. Samuel Kleinberg ... 185
[Biopsy.] Surgical Approach to the Vertebral Body. Arthur A. Michele and Frederick J. Krueger ... 873
Biopsy, Trephine, of Bone with Special Reference to the Lumbar Vertebral Bodies. Robert S. Siffert and Alvin M. Arkin ... 146
[Birth Injuries.] Some Obstetrical Injuries to the Long Bones. Spencer T. Snedecor and Harrison B. Wilson ... 378
Blade-Plate Fixation in Non-Union and in Complicated Fractures of the Supracondylar Region of the Femur. Alfons R. Altenberg and Richard L. Shorkey ... 312
Blocking, Physiological, of Flail Joints, End Results in. Alberto Inclán ... 748
Bodies, Vertebral, Nutrient Arteries of the. Theodore A. Willis ... 538
Body, Vertebral, Surgical Approach to the. Arthur A. Michele and Frederick J. Krueger ... 873
[Bone Architecture.] The Etiology of Trochanteric Fractures of the Femur. George N. Spears and J. T. Owen ... 548
(Bone Bank) Bone, Homogenous, Experiences in the Use of. James B. Weaver ... 778
[Bone Bank.] Letter to the Editor. Walter P. Blount ... 880
Bone Bank, Merthiolate, Clinical Evaluation of the. A Preliminary Report. Fred C. Reynolds and David R. Oliver ... 792
Bone Block, A Mortised Transfacet, for Lumbosacral Fusion. Earl D. McBride ... 385
[Bone-Cyst Formation.] Pathological Changes Found in Material Removed at Operation in Legg-Calvé-Perthes Disease. Samuel R. Haythorn ... 599
[Bone Defect.] Amputations for Failure in Reconstructive Surgery. Alvin Hulnick, Charles Highsmith, and Frank J. Boutin ... 639
Bone, Ectopic Cartilage and, in the Muscles of Rabbits, The Experimental Production of. John H. Heinen, Jr., G. H. Dabbs, and H. A. Mason ... 765
Bone Graft, Delayed Autogenous, in the Treatment of Congenital Pseudarthrosis. John Royal Moore ... 23
[Bone-Grafting.] Intracapsular Fractures of the Femur Treated with a Combined Smith-Petersen Nail and Fibular Graft. James Patrick ... 67
[Bone-Grafting.] Surgical Treatment of Non-Union of Long Bones. Robert Merle d'Aubigné ... 256
[Bone-Grafting.] Treatment of the Necrotic Head of the Femur in Adults. Dallas B. Phemister ... 55
[Bone-Grafting.] The Treatment of Non-Union of Fractures of the Medial Malleolus. Sam W. Banks ... 658
[Bone-Grafting.] The Trumble Operation for Fusion of the Hip. George W. Van Gorder ... 717
Bone Growth in the Albino Rat, Effect of Diathermy (Short Wave and Microwave) on. Charles S. Wise, Benjamin Castleman, and Arthur L. Watkins ... 487
Bone Growth, Control of, by Epiphyseal Stapling. A Preliminary Report. Walter P. Blount and George R. Clarke ... 464
Bone, Iliac, by Trephine Curettage, A Method of Procuring. Walter Scott, Ralph C. Petersen, and Sidney Grant ... 860
[Bone Injuries.] Causes for Amputations Performed at Walter Reed General Hospital during 1947 and 1948. August W. Spittler and Lloyd W. Taylor ... 800
Bone Marrow, The Growth of the. Pierre Lacroix ... 776
[Bone, Parietal.] The Influence of the Contact-Compression Factor on Osteogenesis in Surgical Fractures. G. W. N. Eggers, Thomas O. Shindler, and Charles M. Pomerat ... 693
Bone Plates, Forceps for Grasping and Holding. Meyer M. Stone ... 665
Bone, Trephine Biopsy of, with Special Reference to the Lumbar Vertebral Bodies. Robert S. Siffert and Alvin M. Arkin ... 146
Bones of the Forearm in Adults, Fractures of Both. Robert A. Knight and George D. Purvis ... 755
Bones, Long, Avascular Necrosis of Large Segmental Fracture Fragments of the. Edward L. Compere ... 47
[Bones, Long.] Küntscher's Medullary Nailing. Lorenz Böhler and Jörg Böhler ... 295
Bones, Long, Open Reduction and Internal Fixation of Fractures of the. Harrison L. McLaughlin, Sawnie R. Gaston, Charles S. Neer, and Frederick S. Craig ... 94
Bones, Long, Some Obstetrical Injuries to the. Spencer T. Snedecor and Harrison B. Wilson ... 378
Bones, Long, Surgical Treatment of Non-Union of. Robert Merle d'Aubigné ... 256
Book Reviews
Albright, Fuller, and Reifenstein, Edward C., Jr. The Parathyroid Glands and Metabolic Bone Disease. Selected Studies ... 881
American Academy of Orthopaedic Surgeons, The. Walter P. Blount, Editor. Instructional Course Lectures ... 881

PAGE

Appleton, A. B.; Hamilton, W. J.; and Simon, G. Surface and Radiological Anatomy for Students and General Practitioners. Ed. 3 886
Bachmeyer, Arthur C., and Hartman, Gerhard, Editors. Hospital Trends and Developments, 1940 to 1946 883
Berg, Roland H. Polio and Its Problems 457
Brailsford, James F. The Radiology of Bones and Joints. Ed. 4 222
Bunnell, Sterling. Surgery of the Hand. Ed. 2 882
Carling, Sir Ernest Rock, and Ross, J. Paterson, Editors. British Surgical Practice. Vol. 3 455
Carling, Sir Ernest Rock, and Ross, J. Paterson, Editors. British Surgical Practice. Vol. 4 455
Carling, Sir Ernest Rock, and Ross, J. Paterson, Editors. British Surgical Practice. Vol. 5 883
Charry, René. Chirurgie moderne de la hanche. Appart de la radiographie de profil (Modern Surgery of the Hip) 221
Chaves, Dagmar Aderaldo. Os meios de diagnóstico da tuberculose osteoarticular (Methods of Diagnosis of Osteo-Articular Tuberculosis) 222
Cyriax, James. Deep Massage and Manipulation Illustrated. Ed. 3 883
Dubos, René J., Editor. Bacterial and Mycotic Infections of Man 455
Duchenne, G. B. Translated and Edited by Emanuel B. Kaplan. Physiology of Motion. Demonstrated by Means of Electrical Stimulation and Clinical Observation and Applied to the Study of Paralysis and Deformities 454
Ducroquet, R.; Leger, Lucien; et Leger, Henry. Maladies du squelette (Diseases of the Skeleton) .. 886
Edwards, Harold C. Recent Advances in Surgery. Ed. 3 455
Fisher, A. G. Timbrell. Treatment by Manipulation in General and Consulting Practice. Ed. 5 222
Gault, Edwin S., and Smith, Lawrence W. Essentials of Pathology. Ed. 3 223
Geckeler, Edwin O. Fractures and Dislocations for Practitioners. Ed. 4 457
Geckeler, Edwin O. Plaster of Paris Technic. Ed. 2 456
Hamilton, W. J.; Appleton, A. B.; and Simon, G. Surface and Radiological Anatomy for Students and General Practitioners. Ed. 3 886
Hartman, Gerhard, and Bachmeyer, Arthur C., Editors. Hospital Trends and Developments, 1940 to 1946 883
Hewer, C. Langton. Recent Advances in Anaesthesia and Analgesia (Including Oxygen Therapy). Ed. 6 223
Hinshaw, David. Take Up Thy Bed and Walk 224
Hohmann, Georg. Fuss und Bein. Ihre Erkrankungen und deren Behandlung (Affections of the Foot and Leg and Their Treatment). 4 Auflage 882
Ilgenfritz, Hugh C. Preoperative and Postoperative Care of Surgical Patients 221
Kaplan, Emanuel B., Translator and Editor. Physiology of Motion. Demonstrated by Means of Electrical Stimulation and Clinical Observation and Applied to the Study of Paralysis and Deformities, by G. B. Duchenne 454
Leger, Henry; Leger, Lucien; et Ducroquet, R. Maladies du squelette (Diseases of the Skeleton) .. 886
Leger, Lucien; Ducroquet, R.; et Leger, Henry. Maladies du squelette (Diseases of the Skeleton) .. 886
Massart, Raphaël. Affections médicales et chirurgicales du pied 885
Meleney, Frank Lamont. Clinical Aspects and Treatment of Surgical Infections 885
Meleney, Frank Lamont. Treatise on Surgical Infections 223
National League of Nursing Education. Guide for an Advanced Clinical Course in Orthopedic Nursing 224
Naylor, Arthur. Fractures and Orthopaedic Surgery for Nurses and Masseuses. Ed. 2 884
Odén, Gunnar. Final Results of Osteosynthesis of Fractures of the Femoral Neck ad Modum Sven Johansson. A Study of a Ten-Year Material 884
Ortolani, Marino. La lussazione congenita dell'anca. Nuovi criteri diagnostici e profilattico-correttivi 454
Quiring, Daniel P. Collateral Circulation (Anatomical Aspects) 457
Reifenstein, Edward C., Jr., and Albright, Fuller. The Parathyroid Glands and Metabolic Bone Disease. Selected Studies 881
Ross, J. Paterson, and Carling, Sir Ernest Rock, Editors. British Surgical Practice. Vol. 3 455
Ross, J. Paterson, and Carling, Sir Ernest Rock, Editors. British Surgical Practice. Vol. 4 455
Ross, J. Paterson, and Carling, Sir Ernest Rock, Editors. British Surgical Practice. Vol. 5 883
Seegers, Walter H., and Sharp, Edward A. Hemostatic Agents. With Particular Reference to Thrombin, Fibrinogen and Absorbable Cellulose 224
Shands, Alfred Rives, Jr. Handbook of Orthopaedic Surgery. Ed. 3 221
Sharp, Edward A., and Seegers, Walter H. Hemostatic Agents. With Particular Reference to Thrombin, Fibrinogen and Absorbable Cellulose 224

PAGE

Short, A. Rendle, and Tidy, Sir Henry, Editors. The Medical Annual. A Year Book of Treatment and Practitioner's Index ... 456
Simon, G.; Appleton, A. B.; and Hamilton, W. J. Surface and Radiological Anatomy for Students and General Practitioners. Ed. 3 ... 886
Smith, Hugh, and Speed, J. S., Editors. Campbell's Operative Orthopedics. Ed. 2 ... 456
Smith, Lawrence W., and Gault, Edwin S. Essentials of Pathology. Ed. 3 ... 223
Speed, J. S., and Smith, Hugh, Editors. Campbell's Operative Orthopedics. Ed. 2 ... 456
Swanson, Margaret J. McKenzie. Textbook of Chiropody ... 457
Tidy, Sir Henry, and Short, A. Rendle, Editors. The Medical Annual. A Year Book of Treatment and Practitioner's Index ... 456
Wiles, Philip. Essentials of Orthopaedics ... 881
[Boot Splint.] The Treatment of Congenital Club-Foot. Nine Years' Experience with a Modification of the Denis Browne Method and Splint. Stuart A. Thomson ... 431
[Bowing, Tibial.] Congenital Posterior Angulation of the Tibia. Clarence H. Heyman and Charles H. Herndon ... 571
Braces, Arm and Leg, A Rigid Plastic Corset for. Milton S. Thompson and Rex J. Howard ... 439
[Brackett Reconstruction.] Congenital Coxa Vara. Frank Shaleen Babb, Ralph K. Ghormley, and Carl C. Chatterton ... 115
British Orthopaedic Association, The ... 446
[British Orthopaedic Association, The.] Reports of the Visit to Great Britain of Orthopaedic Surgeons from the United States and Canada. Donald W. Blanche and F. P. Dewar ... 683
Browne, Denis, Method and Splint, Nine Years' Experience with a Modification of the. The Treatment of Congenital Club-Foot. Stuart A. Thomson ... 431
Bursae of the Knee, Calcification of the. Theodore Norley and William H. Bickel ... 417

C

[Calcaneofibular Ligament.] Injuries of the Lateral Ligaments of the Ankle. A Clinical and Experimental Study. Morton H. Leonard ... 373
[Calcaneus.] Changes in Elastic Adipose Tissue. John G. Kuhns ... 541
[Calcaneus.] Conservative Treatment of Functional Disorders of the Feet in the Adolescent and Adult. R. Plato Schwartz and Arthur L. Heath ... 501
[Calcanues.] End Results in Physiological Blocking of Flail Joints. Alberto Inclán ... 748
[Calcanues, Talipes.] Congenital Posterior Angulation of the Tibia. Clarence H. Heyman and Charles H. Herndon ... 571
Calcification of the Bursae of the Knee. Theodore Norley and William H. Bickel ... 417
[Calcification.] Myositis Ossificans in Paraplegics. Leo Frederick Miller and Colman J. O'Neill ... 283
[Calcification.] Some Obstetrical Injuries to the Long Bones. Spencer T. Snedecor and Harrison B. Wilson ... 378
Calcification, Spondylitis, Pathological Ossification, and, Associated with Spinal-Cord Injury. Daniel J. Abramson and Samuel Kamberg ... 275
[Calcified Bodies.] Osteochondromatosis. Robert D. Mussey, Jr., and Melvin S. Henderson ... 619
Calcinosis, Tumoral. J. E. M. Thomson and Frank H. Tanner ... 132
[Callus.] The Short First Metatarsal. Its Incidence and Clinical Significance. Robert I. Harris and Thomas Beath ... 553
[Calvarium of the Rat.] The Influence of the Contact-Compression Factor on Osteogenesis in Surgical Fractures. G. W. N. Eggers, Thomas O. Shindler, and Charles M. Pomerat ... 693
[Cancellous Bone.] A Method of Procuring Iliac Bone by Trephine Curettage. Walter Scott, Ralph C. Petersen, and Sidney Grant ... 860
[Canes, Stepping-Stick.] Mechanical Aids for Patients with Muscular Disability. Paul Thomas Young ... 428
Capital Femoral Epiphysis, Nailed Slipped, Roentgenographic Changes in. Armin Klein, Robert J. Joplin, John A. Reidy, and Joseph Hanelin ... 1
[Capital Necrosis.] Osteosynthesis of the Neck of the Femur. Johs. Spotoft ... 836
[Capsule, Articular.] Acute Anterior Dislocation of the Shoulder. Toufick Nicola ... 153
[Capsule, Articular.] Traumatic Posterior (Retroglenoid) Dislocation of the Humerus. John C. Wilson and Francis M. McKeever ... 160
[Carcinoma.] Radiation Osteitis of the Ribs. Report of a Case with Fractures Appearing Four and One-Half and Eleven Years after Therapy. Ernst A. Pohle and Ralph C. Frank ... 654
Care, Conservative, of Patients with Positive Myelograms, Results of the. The Disc Syndrome. Paul C. Colonna and Zachary B. Friedenberg ... 614
[Cartilage.] Bilateral Osteochondritis Dissecans of the Patella. Samuel Kleinberg ... 185

PAGE

Cartilage and Bone, Ectopic, in the Muscles of Rabbits, The Experimental Production of. John H. Heinen, Jr., G. H. Dabbs, and H. A. Mason 765

[**Cartilage.**] Osteochondromatosis. Robert D. Mussey, Jr., and Melvin S. Henderson 619

[**Cartilages, Semilunar.**] A Study of the Tensile Strength of the Menisci of the Knee. P. D. Mathur, John R. McDonald, and Ralph K. Ghormley 650

[**Cauda Equina,** Compression of.] Acute Traumatic Posterior Dislocation of an Intervertebral Disc with Paralysis. Richard C. Schneider 566

[**Cauda Equina.**] Spondylitis, Pathological Ossification, and Calcification Associated with Spinal-Cord Injury. Daniel J. Abramson and Samuel Kamberg 275

Causes for Amputations Performed at Walter Reed General Hospital during 1947 and 1948. August W. Spittler and Lloyd W. Taylor 800

[**Cervical Vertebrae.**] Fractures of the Ankylosed Spine. Ernst W. Bergmann 660

[**Chairs, Self-Rising.**] Mechanical Aids for Patients with Muscular Disability. Paul Thomas Young ... 428

Changes in Elastic Adipose Tissue. John G. Kuhns 541

Changes, Pathological, Found in Material Removed at Operation in Legg-Calvé-Perthes Disease. Samuel R. Haythorn 599

Changes, Roentgenographic, in Nailed Slipped Capital Femoral Epiphysis. Armin Klein, Robert J. Joplin, John A. Reidy, and Joseph Hanelin 1

Changes, Structural, in Scoliosis, The Mechanism of the. Alvin M. Arkin 519

[**"Check Rein".**] The Treatment of Recent Dislocations and Fracture-Dislocations of the Shoulder. Henry Milch 173

[**Chest Development.**] The Use of the Technique of Progressive-Resistance Exercise in Adolescence. J. Roswell Gallagher and Thomas L. DeLorme 847

[**Chondrodystrophy.**] Intra-Uterine Fractures of the Tibia and Fibula. Report of a Case with Correction by Osteotomy and Plating. George R. Dawson, Jr. 406

[**Chondromatosis.**] Osteochondromatosis. Robert D. Mussey, Jr., and Melvin S. Henderson 619

[**Chondro-Osseous Tissue.**] The Experimental Production of Ectopic Cartilage and Bone in the Muscles of Rabbits. John H. Heinen, Jr., G. H. Dabbs, and H. A. Mason 765

Chronic Arthritis, Early Effects of Partial Sensory Denervation of the Hip for Relief of Pain in. Benjamin E. Obletz, L. Maxwell Lockie, Elmer Milch, and Irving Hyman 805

Chronic Osteomyelitis, Fibrosarcoma of the Tibia Following. Report of a Case. Jack D. Kirshbaum ... 413

[**Clavicle.**] Posterior Dislocation of the Sternoclavicular Joint. Report of a Case. Walter A. Gunther ... 878

[**Clavicle.**] Surgical Approaches to the Shoulder Joint. LeRoy C. Abbott, John B. deC. M. Saunders, Helen Hagey, and Ellis W. Jones, Jr. 235

Clawing of the Toes, A Simple and Effective Splint for Use in the Treatment of. William J. Wilson 198

Clinical Evaluation of the Merthiolate Bone Bank. A Preliminary Report. Fred C. Reynolds and David R. Oliver 792

Clinical and Experimental Study, A. Injuries of the Lateral Ligaments of the Ankle. Morton H. Leonard 373

Clinical Significance, Its Incidence and. The Short First Metatarsal. Robert I. Harris and Thomas Beath 553

Closed Drainage of the Knee Joint Following Arthrotomy. Fremont A. Chandler 580

Club-Foot, Congenital, The Treatment of. Nine Years' Experience with a Modification of the Denis Browne Method and Splint. Stuart A. Thomson 431

Combined Median and Ulnar Nerve Paralysis, Tendon Transfers and Arthrodeses in. J. William Littler 225

[**Committee** on Undergraduate Training of The American Orthopaedic Association.] A Conference of Teachers of Orthopaedic Surgery 203

[**Compensatory Curves.**] The Mechanism of the Structural Changes in Scoliosis. Alvin M. Arkin 519

Complicated Fractures of the Supracondylar Region of the Femur, Blade-Plate Fixation in Non-Union and in. Alfons R. Altenberg and Richard L. Shorkey 312

Compression, Contact-, Factor, The Influence of the, on Osteogenesis in Surgical Fractures. G. W. N. Eggers, Thomas O. Shindler, and Charles M. Pomerat 693

[**Condyles.**] Blade-Plate Fixation in Non-Union and in Complicated Fractures of the Supracondylar Region of the Femur. Alfons R. Altenberg and Richard L. Shorkey 312

Conference on Post-Graduate Education in Orthopaedic Surgery. Joint Committee on Post-Graduate Training of The American Academy of Orthopaedic Surgeons and The American Orthopaedic Association 887

Conference of Teachers of Orthopaedic Surgery, A. Committee on Undergraduate Training of The American Orthopaedic Association 203

Congenital Club-Foot, The Treatment of. Nine Years' Experience with a Modification of the Denis Browne Method and Splint. Stuart A. Thomson 431

PAGE

Congenital Coxa Vara. Frank Shaleen Babb, Ralph K. Ghormley, and Carl C. Chatterton 115
Congenital Dislocation of the Hip, Etiology of. Carl E. Badgley 341
[Congenital Dislocation.] Vitallium-Cup Arthroplasty of the Hip Joint. An End-Result Study. Frank E. Stinchfield and Robert E. Carroll 628
Congenital Dysplasia of the Hip Joint. Relationship between Congenital Subluxation and Congenital Dislocation. Vernon L. Hart 357
Congenital Posterior Angulation of the Tibia. Clarence H. Heyman and Charles H. Herndon 571
Congenital Pseudarthrosis, Delayed Autogenous Bone Graft in the Treatment of. John Royal Moore .. 23
Conservative Care of Patients with Positive Myelograms, Results of the. The Disc Syndrome. Paul C. Colonna and Zachary B. Friedenberg 614
Conservative Treatment of Functional Disorders of the Feet in the Adolescent and Adult. R. Plato Schwartz and Arthur L. Heath 501
Construction, Simple, A Spine Retractor of. Werner P. Jensen 436
Contact-Compression Factor, The Influence of the, on Osteogenesis in Surgical Fractures. G. W. N. Eggers, Thomas O. Shindler, and Charles M. Pomerat 693
[Contractures.] The Iliotibial Band. Its Role in Producing Deformity in Poliomyelitis. Charles E. Irwin 141
Control of Bone Growth by Epiphyseal Stapling. A Preliminary Report. Walter P. Blount and George R. Clarke 464
[Convex Frame.] A Mortised Transfacet Bone Block for Lumbosacral Fusion. Earl D. McBride 385
Coracoid Process, Isolated Fracture of the. Roy C. Rounds 662
[Coracoid Process.] Surgical Approaches to the Shoulder Joint. LeRoy C. Abbott, John B. deC. M. Saunders, Helen Hagey, and Ellis W. Jones, Jr. 235
Cord, Spinal-, Injury, Spondylitis, Pathological Ossification, and Calcification Associated with. Daniel J. Abramson and Samuel Kamberg 275
Coronoid Process, Restricted Jaw Motion Due to Osteochondroma of the. Richard T. Shackelford and Webster H. Brown 107
Correction by Osteotomy and Plating, Report of a Case with. Intra-Uterine Fractures of the Tibia and Fibula. George R. Dawson, Jr. 406
[Corrective Therapy.] Critical Observations of the Results in the Operative Treatment of Scoliosis. William H. von Lackum and J. P. Miller 102
Corset, Plastic, for Arm and Leg Braces, A Rigid. Milton S. Thompson and Rex J. Howard 439
Coxa Vara, Congenital. Frank Shaleen Babb, Ralph K. Ghormley, and Carl C. Chatterton 115
[Coxalgia.] Early Effects of Partial Sensory Denervation of the Hip for Relief of Pain in Chronic Arthritis. Benjamin E. Obletz, L. Maxwell Lockie, Elmer Milch, and Irving Hyman 805
Coxalgia, Obturator Neurectomy for. An Anatomical Study of the Obturator and the Accessory Obturator Nerves. Robert A. Kaiser 815
[Creeping Substitution.] Avascular Necrosis of Large Segmental Fracture Fragments of the Long Bones. Edward L. Compere 47
[Creeping Substitution.] Treatment of the Necrotic Head of the Femur in Adults. Dallas B. Phemister. 55
Critical Observations of the Results in the Operative Treatment of Scoliosis. William H. von Lackum and J. P. Miller 102
Cup, Vitallium-, Arthroplasty of the Hip Joint. An End-Result Study. Frank E. Stinchfield and Robert E. Carroll 628
Curettage, Trephine, A Method of Procuring Iliac Bone by. Walter Scott, Ralph C. Petersen, and Sidney Grant 860
[Curettement of Vertebral Body.] Surgical Approach to the Vertebral Body. Arthur A. Michele and Frederick J. Krueger 873
[Curvature.] Critical Observations of the Results in the Operative Treatment of Scoliosis. William H. von Lackum and J. P. Miller 102

D

Davis, Arthur G. [Obituary.] 453
Defects, Metaphyseal Fibrous, Evolution of. Ignacio V. Ponseti and Barry Friedman 582
Defects, Neural-Arch, The Pathology of. A Dissection Study. Maurice B. Roche 529
Deformity in Poliomyelitis, Its Role in Producing. The Iliotibial Band. Charles E. Irwin 141
[Degenerative Changes.] Changes in Elastic Adipose Tissue. John G. Kuhns 541
[Degenerative Changes.] Pathological Changes Found in Material Removed at Operation in Legg-Calvé-Perthes Disease. Samuel R. Haythorn 599
Delayed Autogenous Bone Graft in the Treatment of Congenital Pseudarthrosis. John Royal Moore 23

PAGE

[Deltoid.] Surgical Approaches to the Shoulder Joint. LeRoy C. Abbott, John B. deC. M. Saunders, Helen Hagey, and Ellis W. Jones, Jr. ... 235

Denervation of the Hip, Partial Sensory, for Relief of Pain in Chronic Arthritis, Early Effects of. Benjamin E. Obletz, L. Maxwell Lockie, Elmer Milch, and Irving Hyman ... 805

[Denervation.] Obturator Neurectomy for Coxalgia. An Anatomical Study of the Obturator and the Accessory Obturator Nerves. Robert A. Kaiser ... 815

Denis Browne Method and Splint, Nine Years' Experience with a Modification of the. The Treatment of Congenital Club-Foot. Stuart A. Thomson ... 431

[Denis Browne Splint, Modified.] Tibial Torsion. Charles G. Hutter, Jr., and Walter Scott ... 511

Departmental Teaching of Fractures in the Medical Schools of the United States. (Report of the Committee of Fractures and Traumatic Surgery of The American Academy of Orthopaedic Surgeons.) Herman F. Johnson and Sidney L. Stovall ... 199

[Deposits, Calcium.] Tumoral Calcinosis. J. E. M. Thomson and Frank H. Tanner ... 132

Diathermy (Short Wave and Microwave), Effect of, on Bone Growth in the Albino Rat. Charles S. Wise, Benjamin Castleman, and Arthur L. Watkins ... 487

Disability, Muscular, Mechanical Aids for Patients with. Paul Thomas Young ... 428

Disarticulation, Sacro-Iliac, (Hemipelvectomy), A Successful Prosthesis for. Robert A. Wise ... 426

Disc, Intervertebral, Acute Traumatic Posterior Dislocation of an, with Paralysis. Richard C. Schneider 566

[Disc, Intervertebral.] A Mortised Transfacet Bone Block for Lumbosacral Fusion. Earl D. McBride 385

[Disc, Intervertebral.] Nutrient Arteries of the Vertebral Bodies. Theodore A. Willis ... 538

Disc Syndrome, The. Results of the Conservative Care of Patients with Positive Myelograms. Paul C. Colonna and Zachary B. Friedenberg ... 614

Discrepancy of Limb Length in Tuberculosis of the Hip, Amputation for. Fremont A. Chandler and Theodore A. Fox ... 420

Dislocation, Congenital, Relationship between Congenital Subluxation and. Congenital Dysplasia of the Hip Joint. Vernon L. Hart ... 357

Dislocation of the Hip, Congenital, Etiology of. Carl E. Badgley ... 341

Dislocation of the Humerus, Traumatic Posterior (Retroglenoid). John C. Wilson and Francis M. McKeever ... 160

Dislocation of an Intervertebral Disc, Acute Traumatic Posterior, with Paralysis. Richard C. Schneider 566

Dislocation, Posterior, of the Hip with Fracture of the Head of the Femur. Everett J. Gordon and Joseph A. Freiberg ... 869

Dislocation, Posterior, of the Sternoclavicular Joint. Report of a Case. Walter A. Gunther ... 878

Dislocation of the Shoulder, Acute Anterior. Toufick Nicola ... 153

[Dislocation.] Survival and Growth of an Epiphysis after Removal and Replacement. J. Albert Key 150

[Dislocations, Fractures and.] Departmental Teaching of Fractures in the Medical Schools of the United States. (Report of the Committee on Fractures and Traumatic Surgery of The American Academy of Orthopaedic Surgeons.) Herman F. Johnson and Sidney L. Stovall ... 199

Dislocations and Fracture-Dislocations of the Shoulder, The Treatment of Recent. Henry Milch ... 173

Disorders, Functional, of the Feet in the Adolescent and Adult, Conservative Treatment of. R. Plato Schwartz and Arthur L. Heath ... 501

Dissection Study, A. The Pathology of Neural-Arch Defects. Maurice B. Roche ... 529

[Disturbed Metabolism.] Pathological Changes Found in Material Removed at Operation in Legg-Calvé-Perthes Disease. Samuel R. Haythorn ... 599

Drainage, Closed, of the Knee Joint Following Arthrotomy. Fremont A. Chandler ... 580

[Drilling.] Treatment of the Necrotic Head of the Femur in Adults. Dallas B. Phemister ... 55

[Drills.] Intracapsular Fractures of the Femur Treated with a Combined Smith-Petersen Nail and Fibular Graft. James Patrick ... 67

[Drop-Foot, Paralytic.] End Results in Physiological Blocking of Flail Joints. Alberto Inclán ... 748

[Dynamics, Foot.] Conservative Treatment of Functional Disorders of the Feet in the Adolescent and Adult. R. Plato Schwartz and Arthur L. Heath ... 501

Dysplasia, Congenital, of the Hip Joint. Relationship between Congenital Subluxation and Congenital Dislocation. Vernon L. Hart ... 357

Dysplasia, Fibrous. Report of a Case. Philip T. Schlesinger, Sidney Keats, and Andrew C. Ruoff, III. 187

[Dysplasia of the Hip.] Etiology of Congenital Dislocation of the Hip. Carl E. Badgley ... 341

E

Early Effects of Partial Sensory Denervation of the Hip for Relief of Pain in Chronic Arthritis. Benjamin E. Obletz, L. Maxwell Lockie, Elmer Milch, and Irving Hyman ... 805

Ectopic Cartilage and Bone in the Muscles of Rabbits, The Experimental Production of. John H. Heinen, Jr., G. H. Dabbs, and H. A. Mason ... 765

PAGE

Effect of Diathermy (Short Wave and Microwave) on Bone Growth in the Albino Rat. Charles S. Wise, Benjamin Castleman, and Arthur L. Watkins ... 487
Effective Splint for Use in the Treatment of Clawing of the Toes, A Simple and. William J. Wilson 198
Effects, Early, of Partial Sensory Denervation of the Hip for Relief of Pain in Chronic Arthritis. Benjamin E. Obletz, L. Maxwell Lockie, Elmer Milch, and Irving Hyman ... 805
Elastic Adipose Tissue, Changes in. John G. Kuhns ... 541
[**Elbow.**] End Results in Physiological Blocking of Flail Joints. Alberto Inclán ... 748
[**Elbow,** Extension of.] Muscle Transplantation for Triceps Palsy. The Technique of Utilizing the Latissimus Dorsi. Paul H. Harmon ... 409
[**Elbow.**] Survival and Growth of an Epiphysis after Removal and Replacement. J. Albert Key ... 150
[**Elbows.**] Tumoral Calcinosis. J. E. M. Thomson and Frank H. Tanner ... 132
[**Electrolytic Reaction.**] Open Reduction and Internal Fixation of Fractures of the Long Bones. Harrison L. McLaughlin, Sawnie R. Gaston, Charles S. Neer, and Frederick S. Craig ... 94
Electromyography in Orthopaedics. Arthur L. Watkins ... 822
[**Embryology.**] Congenital Dysplasia of the Hip Joint. Relationship between Congenital Subluxation and Congenital Dislocation. Vernon L. Hart ... 357
[**Embryology.**] Etiology of Congenital Dislocation of the Hip Carl E. Badgley ... 341
[**Enchondroma.**] Osteochondromatosis. Robert D. Mussey, Jr., and Melvin S. Henderson ... 619
End Results in Physiological Blocking of Flail Joints. Alberto Inclán ... 748
Engine, Surgical, Adaptations of the. Daniel M. Stiefel ... 442
[**Epiphyseal Arrest.**] Effect of Diathermy (Short Wave and Microwave) on Bone Growth in the Albino Rat. Charles S. Wise, Benjamin Castleman, and Arthur L. Watkins ... 487
[**Epiphyseal Growth,** Disturbance of.] The Mechanism of the Structural Changes in Scoliosis. Alvin M. Arkin ... 519
[**Epiphyseal Separation.**] Some Obstetrical Injuries to the Long Bones. Spencer T. Snedecor and Harrison B. Wilson ... 378
Epiphyseal Stapling, Control of Bone Growth by. A Preliminary Report. Walter P. Blount and George R. Clarke ... 464
Epiphysis, Femoral, Roentgenographic Changes in Nailed Slipped Capital. Armin Klein, Robert J. Joplin, John A. Reidy, and Joseph Hanelin ... 1
[**Epiphysis, Slipped Femoral.**] Vitallium-Cup Arthroplasty of the Hip Joint. An End-Result Study. Frank E. Stinchfield and Robert E. Carroll ... 628
Epiphysis, Slipped, Legg-Perthes Disease and, in the Same Patient. A Case Report. Herbert R. Markheim ... 666
Epiphysis, Survival and Growth of an, after Removal and Replacement. J. Albert Key ... 150
Epiphysis, Upper Femoral, Slipping of the. M. Beckett Howorth ... 734
[**Equinovarus.**] The Treatment of Congenital Club-Foot. Nine Years' Experience with a Modification of the Denis Browne Method and Splint. Stuart A. Thomson ... 431
Etiology of Congenital Dislocation of the Hip. Carl E. Badgley ... 341
Etiology of Trochanteric Fractures of the Femur, The. George N. Spears and J. T. Owen ... 548
Evaluation, Clinical, of the Merthiolate Bone Bank. A Preliminary Report. Fred C. Reynolds and David R. Oliver ... 792
Evolution of Metaphyseal Fibrous Defects. Ignacio V. Ponseti and Barry Friedman ... 582
Exercise, Progressive-Resistance, in Adolescence, The Use of the Technique of. J. Roswell Gallagher and Thomas L. DeLorme ... 847
Exercise Splint, An Abduction, for the Shoulder. Edward J. Coughlin, Jr. ... 428
[**Exercises, Remedial.**] Aspects of Physical Reconditioning. Marcus J. Stewart ... 394
Experiences in the Use of Homogenous (Bone Bank) Bone. James B. Weaver ... 778
[**Experimental Operative Procedures.**] The Influence of the Contact-Compression Factor on Osteogenesis in Surgical Fractures. G. W. N. Eggers, Thomas O. Shindler, and Charles M. Pomerat 693
Experimental Production of Ectopic Cartilage and Bone in the Muscles of Rabbits, The. John H. Heinen, Jr., G. H. Dabbs, and H. A. Mason ... 765
Experimental Study, A Clinical and. Injuries of the Lateral Ligaments of the Ankle. Morton H. Leonard 373
[**Experiments** on Animals.] Effect of Diathermy (Short Wave and Microwave) on Bone Growth in the Albino Rat. Charles S. Wise, Benjamin Castleman, and Arthur L. Watkins ... 487
[**Experiments** on the Rabbit.] The Growth of the Bone Marrow. Pierre Lacroix ... 776
Exposure of the Hip Joint for Mold Arthroplasty, Approach to and. M. N. Smith-Petersen ... 40
Extension Apparatus, A Type of. A. von Petz ... 191
[**Extensor Pollicis Brevis.**] An Unusual Form of de Quervain's Syndrome. Report of Two Cases. Ian D. Murphy ... 858
External Skeletal Fixation in the Treatment of Fractures of the Tibia. John R. Naden ... 586

PAGE

[**Extra-Articular Fusion.**] The Trumble Operation for Fusion of the Hip. George W. Van Gorder.... 717

Extremities, Lower, Prediction of Unequal Growth of the, in Anterior Poliomyelitis. Allan J. Stinchfield, John A. Reidy, and Joseph S. Barr.... 478

F

Factor, Contact-Compression, The Influence of the, on Osteogenesis in Surgical Fractures. G. W. N. Eggers, Thomas O. Shindler, and Charles M. Pomerat.... 693

Failure in Reconstructive Surgery, Amputations for. Alvin Hulnick, Charles Highsmith, and Frank J. Boutin.... 639

[**Fat Pad, Calcaneal.**] Changes in Elastic Adipose Tissue. John G. Kuhns.... 541

Federation of the Handicapped.... 880

Feet, Conservative Treatment of Functional Disorders of the, in the Adolescent and Adult. R. Plato Schwartz and Arthur L. Heath.... 501

Femoral Epiphysis, Capital, Roentgenographic Changes in Nailed Slipped. Armin Klein, Robert J. Joplin, John A. Reidy, and Joseph Hanelin.... 1

Femoral Epiphysis, Upper, Slipping of the. M. Beckett Howorth.... 734

[**Femoral Nerve.**] Early Effects of Partial Sensory Denervation of the Hip for Relief of Pain in Chronic Arthritis. Benjamin E. Obletz, L. Maxwell Lockie, Elmer Milch, and Irving Hyman.... 805

[**Femur.**] Amputation for Discrepancy of Limb Length in Tuberculosis of the Hip. Fremont A. Chandler and Theodore A. Fox.... 420

Femur, Blade-Plate Fixation in Non-Union and in Complicated Fractures of the Supracondylar Region of the. Alfons R. Altenberg and Richard L. Shorkey.... 312

[**Femur.**] Congenital Coxa Vara. Frank Shaleen Babb, Ralph K. Ghormley, and Carl C. Chatterton 115

[**Femur.**] Control of Bone Growth by Epiphyseal Stapling. A Preliminary Report. Walter P. Blount and George R. Clarke.... 464

[**Femur.**] Etiology of Congenital Dislocation of the Hip. Carl E. Badgley.... 341

Femur, The Etiology of Trochanteric Fractures of the. George N. Spears and J. T. Owen.... 548

Femur, Fracture of the Head of the, Posterior Dislocation of the Hip with. Everett J. Gordon and Joseph A. Freiberg.... 869

[**Femur, Head of.**] Approach to and Exposure of the Hip Joint for Mold Arthroplasty. M. N. Smith-Petersen.... 40

[**Femur, Head of.**] Congenital Dysplasia of the Hip Joint. Relationship between Congenital Subluxation and Congenital Dislocation. Vernon L. Hart.... 357

[**Femur, Head of.**] Legg-Perthes Disease and Slipped Epiphysis in the Same Patient. A Case Report. Herbert R. Markheim.... 666

[**Femur, Head of.**] Vitallium-Cup Arthroplasty of the Hip Joint. An End-Result Study. Frank E. Stinchfield and Robert E. Carroll.... 628

Femur, Intracapsular Fractures of the, Treated with a Combined Smith-Petersen Nail and Fibular Graft. James Patrick.... 67

[**Femur.**] Küntscher's Medullary Nailing. Lorenz Böhler and Jörg Böhler.... 295

[**Femur.**] Low Insertion of the Hip Nail. Morton H. Leonard.... 612

[**Femur.**] A Method of Subtrochanteric Limb Shortening. Lawson Thornton.... 81

[**Femur.**] Open Reduction and Internal Fixation of Fractures of the Long Bones. Harrison L. McLaughlin, Sawnie R. Gaston, Charles S. Neer, and Frederick S. Craig.... 94

Femur, Osteosynthesis of the Neck of the. Johs. Spotoft.... 836

[**Femur.**] Pathological Changes Found in Material Removed at Operation in Legg-Calvé-Perthes Disease. Samuel R. Haythorn.... 599

[**Femur.**] Surgical Treatment of Non-Union of Long Bones. Robert Merle d'Aubigné.... 256

[**Femur.**] A Technique for Arthrodesis of the Hip Joint. Alan DeForest Smith and Orren D. Baab.. 727

Femur, Treatment of the Necrotic Head of the, in Adults. Dallas B. Phemister.... 55

[**Femur.**] The Trumble Operation for Fusion of the Hip. George W. Van Gorder.... 717

[**Femur.**] A Type of Extension Apparatus. A. von Petz.... 191

Femur, The Use of Skeletal Traction in the Treatment of Fractures of the. Edward M. Winant.... 87

[**Femur.**] Vitallium-Cup Arthroplasty of the Hip Joint. Review of Approximately One Hundred Cases. Alexander Gibson.... 861

[**Fibrocartilage, Intervertebral.**] Acute Traumatic Posterior Dislocation of an Intervertebral Disc with Paralysis. Richard C. Schneider.... 566

[**Fibrocartilage, Intervertebral.**] The Disc Syndrome. Results of the Conservative Care of Patients with Positive Myelograms. Paul C. Colonna and Zachary B. Friedenberg.... 614

[**Fibrocartilage.**] A Study of the Tensile Strength of the Menisci of the Knee. P. D. Mathur, John R. McDonald, and Ralph K. Ghormley.... 650

PAGE

Fibrosarcoma of the Tibia Following Chronic Osteomyelitis. Report of a Case. Jack D. Kirshbaum 413
Fibrous Defects, Metaphyseal, Evolution of. Ignacio V. Ponseti and Barry Friedman 582
Fibrous Dysplasia. Report of a Case. Philip T. Schlesinger, Sidney Keats, and Andrew C. Ruoff, III 187
Fibula, Intra-Uterine Fractures of the Tibia and. Report of a Case with Correction by Osteotomy and Plating. George R. Dawson, Jr. 406
Fibular Graft, Intracapsular Fractures of the Femur Treated with a Combined Smith-Petersen Nail and. James Patrick 67
[**Fingers.**] Tendon Transfers and Arthrodeses in Combined Median and Ulnar Nerve Paralysis. J. William Littler 225
First Metatarsal, The Short. Its Incidence and Clinical Significance. Robert I. Harris and Thomas Beath 553
Fixation, Blade-Plate, in Non-Union and in Complicated Fractures of the Supracondylar Region of the Femur. Alfons R. Altenberg and Richard L. Shorkey 312
Fixation, External Skeletal, in the Treatment of Fractures of the Tibia. John R. Naden 586
Fixation, Internal, of Fractures of the Long Bones, Open Reduction and. Harrison L. McLaughlin, Sawnie R. Gaston, Charles S. Neer, and Frederick S. Craig 94
[**Flail Extremities.**] The Iliotibial Band. Its Role in Producing Deformity in Poliomyelitis. Charles E. Irwin 141
Flail Joints, End Results in Physiological Blocking of. Alberto Inclán 748
[**Flexor Pollicis Longus,** Tendon of.] Trigger Thumb in Infants. Edwin E. Sprecher 672
[**Foot.**] Amputations for Failure in Reconstructive Surgery. Alvin Hulnick, Charles Highsmith, and Frank J. Boutin 639
Foot, Club-, The Treatment of Congenital. Nine Years' Experience with a Modification of the Denis Browne Method and Splint. Stuart A. Thomson 431
[**Foot.**] A Simple and Effective Splint for Use in the Treatment of Clawing of the Toes. William J. Wilson 198
[**Foot Symptoms.**] The Short First Metatarsal. Its Incidence and Clinical Significance. Robert I. Harris and Thomas Beath 553
[**Foot.**] The Treatment of Non-Union of Fractures of the Medial Malleolus. Sam W. Banks 658
Forceps for Grasping and Holding Bone Plates. Meyer M. Stone 665
Forearm, Fractures of Both Bones of the, in Adults. Robert A. Knight and George D. Purvis 755
[**Forearm.**] Surgical Treatment of Non-Union of Long Bones. Robert Merle d'Aubigné 256
Fractures of the Ankylosed Spine. Ernst W. Bergmann 669
Fractures of Both Bones of the Forearm in Adults. Robert A. Knight and George D. Purvis 755
Fractures, Complicated, of the Supracondylar Region of the Femur, Blade-Plate Fixation in Non-Union and in. Alfons R. Altenberg and Richard L. Shorkey 312
Fractures, Departmental Teaching of, in the Medical Schools of the United States. (Report of the Committee on Fractures and Traumatic Surgery of The American Academy of Orthopaedic Surgeons.) Herman F. Johnson and Sidney L. Stovall 199
Fracture-Dislocations of the Shoulder, The Treatment of Recent Dislocations and. Henry Milch 173
Fractures of the Femur, Intracapsular, Treated with a Combined Smith-Petersen Nail and Fibular Graft. James Patrick 67
Fractures of the Femur, The Use of Skeletal Traction in the Treatment of. Edward M. Winant 87
[**Fractures.**] Fibrous Dysplasia. Report of a Case. Philip T. Schlesinger, Sidney Keats, and Andrew C. Ruoff, III 187
Fracture Fragments of the Long Bones, Avascular Necrosis of Large Segmental. Edward L. Compere 47
Fracture of the Head of the Femur, Posterior Dislocation of the Hip with. Everett J. Gordon and Joseph A. Freiberg 869
Fractures, Intra-Uterine, of the Tibia and Fibula. Report of a Case with Correction by Osteotomy and Plating. George R. Dawson, Jr. 406
Fracture, Isolated, of the Coracoid Process. Roy C. Rounds 662
[**Fractures.**] Küntscher's Medullary Nailing. Lorenz Böhler and Jörg Böhler 295
Fractures of the Long Bones, Open Reduction and Internal Fixation of. Harrison L. McLaughlin, Sawnie R. Gaston, Charles S. Neer, and Frederick S. Craig 94
[**Fractures.**] Low Insertion of the Hip Nail. Morton H. Leonard 612
Fractures of the Medial Malleolus, The Treatment of Non-Union of. Sam W. Banks 658
[**Fractures.**] Osteosynthesis of the Neck of the Femur. Johs. Spotoft 836
Fractures, Report of a Case with, Appearing Four and One-Half and Eleven Years after Therapy. Radiation Osteitis of the Ribs. Ernst A. Pohle and Ralph C. Frank 654
[**Fractures of the Spine.**] Acute Traumatic Posterior Dislocation of an Intervertebral Disc with Paralysis. Richard C. Schneider 566

PAGE

Fractures, Surgical, The Influence of the Contact-Compression Factor on Osteogenesis in. G. W. N. Eggers, Thomas O. Shindler, and Charles M. Pomerat ... 693
[Fractures.] Surgical Treatment of Non-Union of Long Bones. Robert Merle d'Aubigné ... 256
[Fracture.] Survival and Growth of an Epiphysis after Removal and Replacement. J. Albert Key ... 150
Fractures of the Tibia, External Skeletal Fixation in the Treatment of. John R. Naden ... 586
[Fractures.] Treatment of the Necrotic Head of the Femur in Adults. Dallas B. Phemister ... 55
Fractures, Trochanteric, of the Femur, The Etiology of. George N. Spears and J. T. Owen ... 548
[Frejka Splint.] Congenital Dysplasia of the Hip Joint. Relationship between Congenital Subluxation and Congenital Dislocation. Vernon L. Hart ... 357
[Frozen Bone.] Experiences in the Use of Homogenous (Bone Bank) Bone. James B. Weaver ... 778
Functional Disorders of the Feet in the Adolescent and Adult, Conservative Treatment of. R. Plato Schwartz and Arthur L. Heath ... 501
Fusion of the Hip, The Trumble Operation for. George W. Van Gorder ... 717
[Fusion, Knee.] Amputation for Discrepancy of Limb Length in Tuberculosis of the Hip. Fremont A. Chandler and Theodore A. Fox ... 420
Fusion, Lumbosacral, A Mortised Transfacet Bone Block for. Earl D. McBride ... 385
[Fusion, Operative.] Spontaneous Sacro-Iliac Obliteration in Patients with Tuberculosis. Alvin S. Isaacson and Water M. Whitehouse ... 306
Fusion, Spine, Pseudarthrosis Following. Walter A. L. Thompson and Edgar L. Ralston ... 400

G

[Gas Gangrene.] Causes for Amputations Performed at Walter Reed General Hospital during 1947 and 1948. August W. Spittler and Lloyd W. Taylor ... 800
[Genu Recurvatum.] End Results in Physiological Blocking of Flail Joints. Alberto Inclán ... 748
[Genu Valgum.] The Iliotibial Band. Its Role in Producing Deformity in Poliomyelitis. Charles E. Irwin ... 141
[Giant-Cell Reactions.] Pathological Changes Found in Material Removed at Operation in Legg-Calvé-Perthes Disease. Samuel R. Haythorn ... 599
[Glenoid.] Traumatic Posterior (Retroglenoid) Dislocation of the Humerus. John C. Wilson and Francis M. McKeever ... 160
[Glomerulonephritis.] Legg-Perthes Disease and Slipped Epiphysis in the Same Patient. A Case Report. Herbert R. Markheim ... 666
[Glove, Rubber.] A Simple and Effective Splint for Use in the Treatment of Clawing of the Toes. William J. Wilson ... 198
Graduate School of Medicine, The. Course in Orthopaedic Surgery and Its Curriculum. (Conference on Post-Graduate Education in Orthopaedic Surgery.) Jesse T. Nicholson ... 903
[Grafts, Bone-Block.] A Mortised Transfacet Bone Block for Lumbosacral Fusion. Earl D. McBride 385
[Grafts, Bone.] Clinical Evaluation of the Merthiolate Bone Bank. A Preliminary Report. Fred C. Reynolds and David R. Oliver ... 792
Graft, Bone, Delayed Autogenous, in the Treatment of Congenital Pseudarthrosis. John Royal Moore 23
[Grafts, Bone.] Experiences in the Use of Homogenous (Bone Bank) Bone. James B. Weaver ... 778
Graft, Fibular, Intracapsular Fractures of the Femur Treated with a Combined Smith-Petersen Nail and. James Patrick ... 67
[Grafts, Primary Onlay.] Fractures of Both Bones of the Forearm in Adults. Robert A. Knight and George D. Purvis ... 755
[Graft, Tibial.] The Trumble Operation for Fusion of the Hip. George W. Van Gorder ... 717
[Grafting, Bone-.] Treatment of the Necrotic Head of the Femur in Adults. Dallas B. Phemister ... 55
[Grafting, Skin-.] Amputations for Failure in Reconstructive Surgery. Alvin Hulnick, Charles Highsmith, and Frank J. Boutin ... 639
Growth, Bone, in the Albino Rat, Effect of Diathermy (Short Wave and Microwave) on. Charles S. Wise, Benjamin Castleman, and Arthur L. Watkins ... 487
Growth, Bone, Control of, by Epiphyseal Stapling. A Preliminary Report. Walter P. Blount and George R. Clarke ... 464
Growth of the Bone Marrow, The. Pierre Lacroix ... 776
Growth, Survival and, of an Epiphysis after Removal and Replacement. J. Albert Key ... 150
Growth, Unequal, of the Lower Extremities in Anterior Poliomyelitis, Prediction of. Allan J. Stinchfield, John A. Reidy, and Joseph S. Barr ... 478
[Guillotine Amputation.] Causes for Amputations Performed at Walter Reed General Hospital during 1947 and 1948. August W. Spittler and Lloyd W. Taylor ... 800

PAGE

H

Hand, Spring Splint to Supinate or Pronate the. Sterling Bunnell ... 664
[**Hand.**] Tendon Transfers and Arthrodeses in Combined Median and Ulnar Nerve Paralysis. J. William Littler ... 225
Hatt, R. Nelson. [Obituary.] ... 687
Head of the Femur, Fracture of the, Posterior Dislocation of the Hip with. Everett J. Gordon and Joseph A. Freiberg ... 869
Head of the Femur, Necrotic, in Adults, Treatment of the. Dallas B. Phemister ... 55
[**Heel.**] Changes in Elastic Adipose Tissue. John G. Kuhns ... 541
Hemangioma of the Knee Joint. Julian E. Jacobs and F. Wayne Lee ... 831
[**Hemarthrosis.**] The Synovial Membrane of the Knee in Pathological Conditions. Robert Soeur ... 317
(**Hemipelvectomy**), A Successful Prosthesis for Sacro-Iliac Disarticulation. Robert A. Wise ... 426
[**Herniated Disc.**] A Mortised Transfacet Bone Block for Lumbosacral Fusion. Earl D. McBride ... 385
[**Herniation** of Intervertebral Disc.] Acute Traumatic Posterior Dislocation of an Intervertebral Disc with Paralysis. Richard C. Schneider ... 566
[**Hindquarter Amputation.**] A Successful Prosthesis for Sacro-Iliac Disarticulation (Hemipelvectomy). Robert A. Wise ... 426
Hip, Amputation for Discrepancy of Limb Length in Tuberculosis of the. Fremont A. Chandler and Theodore A. Fox ... 420
[**Hip.**] Congenital Coxa Vara. Frank Shaleen Babb, Ralph K. Ghormley, and Carl C. Chatterton ... 115
Hip, Congenital Dislocation of the, Etiology of. Carl E. Badgley ... 341
Hip, Early Effects of Partial Sensory Denervation of the, for Relief of Pain in Chronic Arthritis. Benjamin E. Obletz, L. Maxwell Lockie, Elmer Milch, and Irving Hyman ... 805
[**Hip.**] The Etiology of Trochanteric Fractures of the Femur. George N. Spears and J. T. Owen ... 548
[**Hip.**] Intracapsular Fractures of the Femur Treated with a Combined Smith-Petersen Nail and Fibular Graft. James Patrick ... 67
Hip Joint, Approach to and Exposure of the, for Mold Arthroplasty. M. N. Smith-Petersen ... 40
Hip Joint, Congenital Dysplasia of the. Relationship between Congenital Subluxation and Congenital Dislocation. Vernon L. Hart ... 357
[**Hip Joint.**] Obturator Neurectomy for Coxalgia. An Anatomical Study of the Obturator and the Accessory Obturator Nerves. Robert A. Kaiser ... 815
Hip Joint, A Technique for Arthrodesis of the. Alan DeForest Smith and Orren D. Baab ... 727
Hip Joint, Vitallium-Cup Arthroplasty of the. An End-Result Study. Frank E. Stinchfield and Robert E. Carroll ... 628
Hip Joint, Vitallium-Cup Arthroplasty of the. Review of Approximately One Hundred Cases. Alexander Gibson ... 861
[**Hips.**] Legg-Perthes Disease and Slipped Epiphysis in the Same Patient. A Case Report. Herbert R. Markheim ... 666
Hip Motion, Universal Splint for. Paul C. Thompson and James H. Cherry ... 434
Hip Nail, Low Insertion of the. Morton H. Leonard ... 612
[**Hip.**] Osteosynthesis of the Neck of the Femur. Johs. Spotoft ... 836
[**Hip.**] Pathological Changes Found in Material Removed at Operation in Legg-Calvé-Perthes Disease. Samuel R. Haythorn ... 599
Hip, Posterior Dislocation of the, with Fracture of the Head of the Femur. Everett J. Gordon and Joseph A. Freiberg ... 869
Hip, Procaine Injection for Relief of Pain in the. Willard V. Ergenbright and Frederick C. Lowry ... 820
[**Hip.**] Roentgenographic Changes in Nailed Slipped Capital Femoral Epiphysis. Armin Klein, Robert J. Joplin, John A. Reidy, and Joseph Hanelin ... 1
[**Hip.**] Slipping of the Upper Femoral Epiphysis. M. Beckett Howorth ... 734
[**Hip.**] Spondylitis, Pathological Ossification, and Calcification Associated with Spinal-Cord Injury. Daniel J. Abramson and Samuel Kamberg ... 275
[**Hip.**] Treatment of the Necrotic Head of the Femur in Adults. Dallas B. Phemister ... 55
Hip, The Trumble Operation for Fusion of the. George W. Van Gorder ... 717
[**Hips.**] Tumoral Calcinosis. J. E. M. Thomson and Frank H. Tanner ... 132
[**History** of Orthopaedics.] Andry and the *Orthopaedia*. R. Beverly Raney ... 675
Homogenous (Bone Bank) Bone, Experiences in the Use of. James B. Weaver ... 778
[**Homogenous Grafts.**] Clinical Evaluation of the Merthiolate Bone Bank. A Preliminary Report. Fred C. Reynolds and David R. Oliver ... 702
Hospital for Joint Diseases ... 440
Hospital for Special Surgery ... 447
[**Humerus.**] Acute Anterior Dislocation of the Shoulder. Toufick Nicola ... 183

PAGE

[**Humerus.**] Evolution of Metaphyseal Fibrous Defects. Ignacio V. Ponseti and Barry Friedman... 582
[**Humerus.**] Küntscher's Medullary Nailing. Lorenz Böhler and Jörg Böhler..... 295
[**Humerus.**] Surgical Treatment of Non-Union of Long Bones. Robert Merle d'Aubigné..... 256
Humerus, Traumatic Posterior (Retroglenoid) Dislocation of the. John C. Wilson and Francis M. McKeever..... 160
[**Humerus.**] The Treatment of Recent Dislocations and Fracture-Dislocations of the Shoulder. Henry Milch..... 173
[**Hypermobility** of First Metatarsal.] The Short First Metatarsal. Its Incidence and Clinical Significance. Robert I. Harris and Thomas Beath..... 553

I

Ideal Curriculum for Basic-Science Instruction in Orthopaedic Surgery, The. (Conference on Post-Graduate Education in Orthopaedic Surgery.) Guy A. Caldwell..... 891
Ideal Curriculum in Children's Orthopaedic Surgery, The. (Conference on Post-Graduate Education in Orthopaedic Surgery.) William T. Green..... 889
Ideal Curriculum of Resident Training in a Private Clinic, The. (Conference on Post-Graduate Education in Orthopaedic Surgery.) J. S. Speed..... 894
Ideal Curriculum of Resident Training in a University Clinic, The. (Conference on Post-Graduate Education in Orthopaedic Surgery.) Carl E. Badgley..... 893
Iliac Bone by Trephine Curettage, A Method of Procuring. Walter Scott, Ralph C. Petersen, and Sidney Grant..... 860
Iliotibial Band, The. Its Role in Producing Deformity in Poliomyelitis. Charles E. Irwin..... 141
[**Ilium.**] A Successful Prosthesis for Sacro-Iliac Disarticulation (Hemipelvectomy). Robert A. Wise 426
Incidence and Clinical Significance, Its. The Short First Metatarsal. Robert I. Harris and Thomas Beath..... 553
[**Infantile Paralysis.**] Electromyography in Orthopaedics. Arthur L. Watkins..... 822
[**Infantile Paralysis.**] The Iliotibial Band. Its Role in Producing Deformity in Poliomyelitis. Charles E. Irwin..... 141
[**Infantile Paralysis.**] Prediction of Unequal Growth of the Lower Extremities in Anterior Poliomyelitis. Allan J. Stinchfield, John A. Reidy, and Joseph S. Barr..... 478
Infants, Trigger Thumb in. Edwin E. Sprecher..... 672
Influence of the Contact-Compression Factor on Osteogenesis in Surgical Fractures, The. G. W. N. Eggers, Thomas O. Shindler, and Charles M. Pomerat..... 693
[**Infrapatellar Bursae.**] Calcification of the Bursae of the Knee. Theodore Norley and William H. Bickel 417
[**Infrapatellar Fat Pad.**] The Synovial Membrane of the Knee in Pathological Conditions. Robert Soeur 317
Injection, Procaine, for Relief of Pain in the Hip. Willard V. Ergenbright and Frederick C. Lowry.. 820
Injuries of the Lateral Ligaments of the Ankle. A Clinical and Experimental Study. Morton H. Leonard..... 373
[**Injuries, Peripheral-Nerve.**] Electromyography in Orthopaedics. Arthur L. Watkins..... 822
Injuries, Some Obstetrical, to the Long Bones. Spencer T. Snedecor and Harrison B. Wilson..... 378
Insertion, Low, of the Hip Nail. Morton H. Leonard..... 612
Instruments
Forceps for Grasping and Holding Bone Plates. Meyer M. Stone..... 665
Mortised Transfacet Bone Block for Lumbosacral Fusion, A. Earl D. McBride..... 385
Surgical Approach to the Vertebral Body. Arthur A. Michele and Frederick J. Krueger..... 873
Trephine Biopsy of Bone with Special Reference to the Lumbar Vertebral Bodies. Robert S. Siffert and Alvin M. Arkin..... 146
[**Interlaminal Distraction.**] A Mortised Transfacet Bone Block for Lumbosacral Fusion. Earl D. McBride..... 385
Internal Fixation of Fractures of the Long Bones, Open Reduction and. Harrison L. McLaughlin, Sawnie R. Gaston, Charles S. Neer, and Frederick S. Craig..... 94
[**Internal Fixation.**] A Technique for Arthrodesis of the Hip Joint. Alan DeForest Smith and Orren D. Baab..... 727
International Congress, Seventh, on Rheumatic Diseases..... 689
[**Interossei.**] Tendon Transfers and Arthrodeses in Combined Median and Ulnar Nerve Paralysis. J. William Littler..... 225
[**Interstitial Growth.**] The Growth of the Bone Marrow. Pierre Lacroix..... 776
[**Intertrochanteric Fractures.**] Low Insertion of the Hip Nail. Morton H. Leonard..... 612
Intervertebral Disc, Acute Traumatic Posterior Dislocation of an, with Paralysis. Richard C. Schneider 566
[**Intervertebral Disc.**] A Mortised Transfacet Bone Block for Lumbosacral Fusion. Earl D. McBride 385
[**Intervertebral Disc.**] Nutrient Arteries of the Vertebral Bodies. Theodore A. Willis..... 538

PAGE

[**Intervertebral Fibrocartilage.**] Acute Traumatic Posterior Dislocation of an Intervertebral Disc with Paralysis. Richard C. Schneider ... 566
[**Intervertebral Fibrocartilage.**] The Disc Syndrome. Results of the Conservative Care of Patients with Positive Myelograms. Paul C. Colonna and Zachary B. Friedenberg ... 614
Intracapsular Fractures of the Femur Treated with a Combined Smith-Petersen Nail and Fibular Graft. James Patrick ... 67
[**Intramedullary Fixation.**] Fractures of Both Bones of the Forearm in Adults. Robert A. Knight and George D. Purvis ... 755
[**Intramedullary Nail.**] Surgical Treatment of Non-Union of Long Bones. Robert Merle d'Aubigné ... 256
Intra-Uterine Fractures of the Tibia and Fibula. Report of a Case with Correction by Osteotomy and Plating. George R. Dawson, Jr. ... 406
[**Intrinsic Muscles.**] Tendon Transfers and Arthrodeses in Combined Median and Ulnar Nerve Paralysis. J. William Littler ... 225
[**Ischiofemoral Arthrodesis.**] The Trumble Operation for Fusion of the Hip. George W. Van Gorder ... 717
[**Ischium.**] Procaine Injection for Relief of Pain in the Hip. Willard V. Ergenbright and Frederick C. Lowry ... 820
Isolated Fracture of the Coracoid Process. Roy C. Rounds ... 662

J

Jacket, Spica, A Modified Plaster-of-Paris. Boyan Hadjistamoff ... 186
Jaw Motion, Restricted, Due to Osteochondroma of the Coronoid Process. Richard T. Shackelford and Webster H. Brown ... 107
Joints, Flail, End Results in Physiological Blocking of. Alberto Inclán ... 748
Joint, Hip, Approach to and Exposure of the, for Mold Arthroplasty. M. N. Smith-Petersen ... 40
Joint, Hip, Congenital Dysplasia of the. Relationship between Congenital Subluxation and Congenital Dislocation. Vernon L. Hart ... 357
Joint, Hip, A Technique for Arthrodesis of the. Alan DeForest Smith and Orren D. Baab ... 727
Joint, Hip, Vitallium-Cup Arthroplasty of the. An End-Result Study. Frank E. Stinchfield and Robert E. Carroll ... 628
Joint, Hip, Vitallium-Cup Arthroplasty of the. Review of Approximately One Hundred Cases. Alexander Gibson ... 861
Joint, Knee, Closed Drainage of the, Following Arthrotomy. Fremont A. Chandler ... 580
Joint, Knee, Hemangioma of the. Julian E. Jacobs and F. Wayne Lee ... 831
[**Joint, Knee.**] Osteochondromatosis. Robert D. Mussey, Jr., and Melvin S. Henderson ... 619
Joint, Shoulder, Surgical Approaches to the. LeRoy C. Abbott, John B. deC. M. Saunders, Helen Hagey, and Ellis W. Jones, Jr. ... 235
Joint, Sternoclavicular, Posterior Dislocation of the. Report of a Case. Walter A. Gunther ... 878
Joints, Tuberculosis of, Amputation for. A Study of the Therapeutic and Prognostic Value. David M. Bosworth and Walter P. Graul ... 194
Jones, Ellis William. [Obituary.] ... 686

K

Kappa Delta Sorority ... 688, 880
[**Knees.**] Bilateral Osteochondritis Dissecans of the Patella. Samuel Kleinberg ... 185
Knee, Calcification of the Bursae of the. Theodore Norley and William H. Bickel ... 417
[**Knee.**] Control of Bone Growth by Epiphyseal Stapling. A Preliminary Report. Walter P. Blount and George R. Clarke ... 464
[**Knee.**] End Results in Physiological Blocking of Flail Joints. Alberto Inclán ... 748
[**Knee Fusion.**] Amputation for Discrepancy of Limb Length in Tuberculosis of the Hip. Fremont A. Chandler and Theodore A. Fox ... 420
[**Knee.**] The Iliotibial Band. Its Role in Producing Deformity in Poliomyelitis. Charles E. Irwin ... 141
[**Knee Injuries.**] Aspects of Physical Reconditioning. Marcus J. Stewart ... 394
[**Knee Injuries.**] The Use of the Technique of Progressive-Resistance Exercise in Adolescence. J. Roswell Gallagher and Thomas L. DeLorme ... 847
[**Knee Joint.**] Blade-Plate Fixation in Non-Union and in Complicated Fractures of the Supracondylar Region of the Femur. Alfons R. Altenberg and Richard L. Shorkey ... 312
Knee Joint, Closed Drainage of the, Following Arthrotomy. Fremont A. Chandler ... 580
[**Knee Joint.**] Effect of Diathermy (Short Wave and Microwave) on Bone Growth in the Albino Rat. Charles S. Wise, Benjamin Castleman, and Arthur L. Watkins ... 487
Knee Joint, Hemangioma of the. Julian E. Jacobs and F. Wayne Lee ... 831
[**Knee Joint.**] Osteochondromatosis. Robert D. Mussey, Jr., and Melvin S. Henderson ... 619

PAGE

[**Knee Motion.**] Universal Splint for Hip Motion. Paul C. Thompson and James H. Cherry 434
Knee, A Study of the Tensile Strength of the Menisci of the. P. D. Mathur, John R. McDonald, and Ralph K. Ghormley 650
Knee, The Synovial Membrane of the, in Pathological Conditions. Robert Soeur 317
[**Knock-Knee.**] Tibial Torsion. Charles G. Hutter, Jr., and Walter Scott 511
[**Küntscher Nail.**] Surgical Treatment of Non-Union of Long Bones. Robert Merle d'Aubigné 256
Küntscher's Medullary Nailing. Lorenz Böhler and Jörg Böhler 295

L

Lateral Ligaments of the Ankle, Injuries of the. A Clinical and Experimental Study. Morton H. Leonard 373
Latin-American Society of Orthopaedic and Traumatic Surgery 220
Latissimus Dorsi, The Technique of Utilizing the. Muscle Transplantation for Triceps Palsy. Paul H. Harmon 409
Leg Braces, Arm and, A Rigid Plastic Corset for. Milton S. Thompson and Rex J. Howard 439
[**Leg.**] Congenital Posterior Angulation of the Tibia. Clarence H. Heyman and Charles H. Herndon 571
[**Leg.**] External Skeletal Fixation in the Treatment of Fractures of the Tibia. John R. Naden 586
[**Leg.**] Intra-Uterine Fractures of the Tibia and Fibula. Report of a Case with Correction by Osteotomy and Plating. George R. Dawson, Jr. 406
Legg-Calvé-Perthes Disease, Pathological Changes Found in Material Removed at Operation in. Samuel R. Haythorn 599
Legg-Perthes Disease and Slipped Epiphysis in the Same Patient. A Case Report. Herbert R. Markheim 666
[**Lengthening.**] Prediction of Unequal Growth of the Lower Extremities in Anterior Poliomyelitis. Allan J. Stinchfield, John A. Reidy, and Joseph S. Barr 478
Letter to the Editor. Walter P. Blount 880
Ligaments, Lateral, of the Ankle, Injuries of the. A Clinical and Experimental Study. Morton H. Leonard 373
[**Ligamentum Flavum.**] The Pathology of Neural-Arch Defects. A Dissection Study. Maurice B. Roche 529
[**Limb Buds.**] Etiology of Congenital Dislocation of the Hip. Carl E. Badgley 341
Limb Length, Amputation for Discrepancy of, in Tuberculosis of the Hip. Fremont A. Chandler and Theodore A. Fox 420
Limb Shortening, A Method of Subtrochanteric. Lawson Thornton 81
Long Bones, Avascular Necrosis of Large Segmental Fracture Fragments of the. Edward L. Compere 47
[**Long Bones.**] Küntscher's Medullary Nailing. Lorenz Böhler and Jörg Böhler 295
Long Bones, Open Reduction and Internal Fixation of Fractures of the. Harrison L. McLaughlin, Sawnie R. Gaston, Charles S. Neer, and Frederick S. Craig 94
Long Bones, Some Obstetrical Injuries to the. Spencer T. Snedecor and Harrison B. Wilson 378
Long Bones, Surgical Treatment of Non-Union of. Robert Merle d'Aubigné 256
[**Loose Bodies.**] Osteochondromatosis. Robert D. Mussey, Jr., and Melvin S. Henderson 619
[**Loose Body.**] Bilateral Osteochondritis Dissecans of the Patella. Samuel Kleinberg 185
[**Low-Back Pain,** Intractable.] A Mortised Transfacet Bone Block for Lumbosacral Fusion. Earl D. McBride 385
[**Low-Back Strain.**] The Use of the Technique of Progressive-Resistance Exercise in Adolescence. J. Roswell Gallagher and Thomas L. DeLorme 847
Low Insertion of the Hip Nail. Morton H. Leonard 612
[**Lower Extremity.**] Amputations for Failure in Reconstructive Surgery. Alvin Hulnick, Charles Highsmith, and Frank J. Boutin 639
[**Lower Extremity.**] Causes for Amputations Performed at Walter Reed General Hospital during 1947 and 1948. August W. Spittler and Lloyd W. Taylor 800
Lower Extremities, Prediction of Unequal Growth of the, in Anterior Poliomyelitis. Allan J. Stinchfield, John A. Reidy, and Joseph S. Barr 478
[**Luck Saw.**] Adaptations of the Surgical Engine. Daniel M. Stiefel 442
[**Lumbar Intervertebral Disc.**] The Disc Syndrome. Results of the Conservative Care of Patients with Positive Myelograms. Paul C. Colonna and Zachary B. Friedenberg 614
Lumbar Vertebral Bodies, Trephine Biopsy of Bone with Special Reference to the. Robert S. Siffert and Alvin M. Arkin 146
Lumbosacral Fusion, A Mortised Transfacet Bone Block for. Earl D. McBride 385
[**Lumbosacral Fusion.**] Pseudarthrosis Following Spine Fusion. Walter A. L. Thompson and Edgar L. Ralston 400
Lumbosacral Support, A. Rex L. Diveley 441

PAGE

[Lumbricales.] Tendon Transfers and Arthrodeses in Combined Median and Ulnar Nerve Paralysis. J. William Littler ... 225

Luxation. See Dislocation.

M

Malleolus, Medial, The Treatment of Non-Union of Fractures of the. Sam W. Banks ... 658

[Mandible.] Restricted Jaw Motion Due to Osteochondroma of the Coronoid Process. Richard T. Shackelford and Webster H. Brown ... 107

[Marie-Strümpell Disease.] Fractures of the Ankylosed Spine. Ernst W. Bergmann ... 669

Marrow, Bone, The Growth of the. Pierre Lacroix ... 776

[Massive Hemorrhage.] Fibrous Dysplasia. Report of a Case. Philip T. Schlesinger, Sidney Keats, and Andrew C. Ruoff, III ... 187

[Mastectomy.] Radiation Osteitis of the Ribs. Report of a Case with Fractures Appearing Four and One-Half and Eleven Years after Therapy. Ernst A. Pohle and Ralph C. Frank ... 654

Material Removed at Operation in Legg-Calvé-Perthes Disease, Pathological Changes Found in. Samuel R. Haythorn ... 599

Mayer, Leo, Endowment Fund ... 880

Mechanical Aids for Patients with Muscular Disability. Paul Thomas Young ... 428

Mechanism of the Structural Changes in Scoliosis, The. Alvin M. Arkin ... 519

Medial Malleolus, The Treatment of Non-Union of Fractures of the. Sam W. Banks ... 658

Median and Ulnar Nerve Paralysis, Combined, Tendon Transfers and Arthrodeses in. J. William Littler ... 225

Medical Schools of the United States, Departmental Teaching of Fractures in the. (Report of the Committee on Fractures and Traumatic Surgery of The American Academy of Orthopaedic Surgeons.) Herman F. Johnson and Sidney L. Stovall ... 199

Medicine, Specialization in: What is Orthopaedic Surgery? [Presidential Address, The American Orthopaedic Association.] Ralph K. Ghormley ... 459

Medullary Nailing, Küntscher's. Lorenz Böhler and Jörg Böhler ... 295

Mellon Institute ... 689

Membrane, The Synovial, of the Knee in Pathological Conditions. Robert Soeur ... 317

Menisci of the Knee, A Study of the Tensile Strength of the. P. D. Mathur, John R. McDonald, and Ralph K. Ghormley ... 670

[Meniscus.] The Synovial Membrane of the Knee in Pathological Conditions. Robert Soeur ... 317

Merthiolate Bone Bank, Clinical Evaluation of the. A Preliminary Report. Fred C. Reynolds and David R. Oliver ... 792

[Metabolism, Disturbed.] Pathological Changes Found in Material Removed at Operation in Legg-Calvé-Perthes Disease. Samuel R. Haythorn ... 599

Metaphyseal Fibrous Defects, Evolution of. Ignacio V. Ponseti and Barry Friedman ... 582

Metastatic Adenocarcinoma of the Talus from the Rectosigmoid Region. Report of a Case. E. W. Johnson, Jr., and Joseph M. Janes ... 181

Metatarsal, The Short First. Its Incidence and Clinical Significance. Robert I. Harris and Thomas Beath ... 553

Method of Procuring Iliac Bone by Trephine Curettage, A. Walter Scott, Ralph C. Petersen, and Sidney Grant ... 860

Method of Subtrochanteric Limb Shortening, A. Lawson Thornton ... 81

Mexican Society of Orthopaedics ... 447

(Microwave, Short Wave and), Effect of Diathermy, on Bone Growth in the Albino Rat. Charles S. Wise, Benjamin Castleman, and Arthur L. Watkins ... 487

Modified Plaster-of-Paris Spica Jacket, A. Boyan Hadjistamoff ... 186

Mold Arthroplasty, Approach to and Exposure of the Hip Joint for. M. N. Smith-Petersen ... 40

Mortised Transfacet Bone Block for Lumbosacral Fusion, A. Earl D. McBride ... 385

[Morton's Hypothesis.] The Short First Metatarsal. Its Incidence and Clinical Significance. Robert I. Harris and Thomas Beath ... 553

[Mosaic Pattern of Development.] Etiology of Congenital Dislocation of the Hip. Carl E. Badgley ... 341

Motion, Hip, Universal Splint for. Paul C. Thompson and James H. Cherry ... 434

Motion, Jaw, Restricted, Due to Osteochondroma of the Coronoid Process. Richard T. Shackelford and Webster H. Brown ... 107

[Muscle Activity.] Electromyography in Orthopaedics. Arthur L. Watkins ... 822

[Muscle Power.] The Use of the Technique of Progressive-Resistance Exercise in Adolescence. J. Roswell Gallagher and Thomas L. DeLorme ... 847

[Muscle-Power Ratings.] Prediction of Unequal Growth of the Lower Extremities in Anterior Poliomyelitis. Allan J. Stinchfield, John A. Reidy, and Joseph S. Barr ... 478

PAGE

[**Muscle Rehabilitation.**] Aspects of Physical Reconditioning. Marcus J. Stewart 394
Muscle Transplantation for Triceps Palsy. The Technique of Utilizing the Latissimus Dorsi. Paul H. Harmon 409
Muscles of Rabbits, The Experimental Production of Ectopic Cartilage and Bone in the. John H. Heinen, Jr., G. H. Dabbs, and H. A. Mason 765
[**Muscles, Shoulder.**] The Treatment of Recent Dislocations and Fracture-Dislocations of the Shoulder. Henry Milch 173
Muscular Disability, Mechanical Aids for Patients with. Paul Thomas Young 428
Myelograms, Positive, Results of the Conservative Care of Patients with. The Disc Syndrome. Paul C. Colonna and Zachary B. Friedenberg 614
[**Myodystrophia Foetalis.**] The Treatment of Congenital Club-Foot. Nine Years' Experience with a Modification of the Denis Browne Method and Splint. Stuart A. Thomson 431
Myositis Ossificans in Paraplegics. Leo Frederick Miller and Colman J. O'Neill 283

N

Nail, Hip, Low Insertion of the. Morton H. Leonard 612
[**Nail Osteitis.**] Osteosynthesis of the Neck of the Femur. Johs. Spotoft 836
Nail, Smith-Petersen, and Fibular Graft, Intracapsular Fractures of the Femur Treated with a Combined. James Patrick 67
[**Nail, Smith-Petersen.**] A Method of Subtrochanteric Limb Shortening. Lawson Thornton 81
Nailed Slipped Capital Femoral Epiphysis, Roentgenographic Changes in. Armin Klein, Robert J. Joplin, John A. Reidy, and Joseph Hanelin 1
Nailing, Küntscher's Medullary. Lorenz Böhler and Jörg Böhler 295
[**Nailing.**] Slipping of the Upper Femoral Epiphysis. M. Beckett Howorth 734
National Foundation for Infantile Paralysis, Inc., The 220, 689
National Society for Crippled Children and Adults, Inc. 446, 880
National Society of Surgery (Cuba) 688
Neck of the Femur, Osteosynthesis of the. Johs. Spotoft 836
Necrosis, Avascular, of Large Segmental Fracture Fragments of the Long Bones. Edward L. Compere 47
Necrotic Head of the Femur in Adults, Treatment of the. Dallas B. Phemister 55
[**Needle.**] Trephine Biopsy of Bone with Special Reference to the Lumbar Vertebral Bodies. Robert S. Siffert and Alvin M. Arkin 146
[**Needling.**] Calcification of the Bursae of the Knee. Theodore Norley and William H. Bickel 417
[**Neoplasm.**] Osteochondromatosis. Robert D. Mussey, Jr., and Melvin S. Henderson 619
Nerves, An Anatomical Study of the Obturator and the Accessory Obturator. Obturator Neurectomy for Coxalgia. Robert A. Kaiser 815
[**Nerve, Axillary.**] Surgical Approaches to the Shoulder Joint. LeRoy C. Abbott, John B. deC. M. Saunders, Helen Hagey, and Ellis W. Jones, Jr. 235
[**Nerve Impairment,** Primary.] Amputations for Failure in Reconstructive Surgery. Alvin Hulnick, Charles Highsmith, and Frank J. Boutin 639
[**Nerve Injection.**] Procaine Injection for Relief of Pain in the Hip. Willard V. Ergenbright and Frederick C. Lowry 820
[**Nerve Injuries.**] Causes for Amputations Performed at Walter Reed General Hospital during 1947 and 1948. August W. Spittler and Lloyd W. Taylor 800
Nerve Paralysis, Combined Median and Ulnar, Tendon Transfers and Arthrodeses in. J. William Littler 225
Neural-Arch Defects, The Pathology of. A Dissection Study. Maurice B. Roche 529
[**Neural-Arch Involvement.**] Tuberculosis of the Spine. An Analysis of Cases Treated Surgically. David M. Bosworth and Jack Levine 267
Neurectomy, Obturator, for Coxalgia. An Anatomical Study of the Obturator and the Accessory Obturator Nerves. Robert A. Kaiser 815
[**Neurological Signs.**] Acute Traumatic Posterior Dislocation of an Intervertebral Disc with Paralysis. Richard C. Schneider 566
[**Neuromuscular Disorders.**] Electromyography in Orthopaedics. Arthur L. Watkins 822
[**Neurotomy.**] Early Effects of Partial Sensory Denervation of the Hip for Relief of Pain in Chronic Arthritis. Benjamin E. Obletz, L. Maxwell Lockie, Elmer Milch, and Irving Hyman 805
New Jersey Orthopaedic Society 220
New York Hospital 447
News Notes 219, 444, 688, 880
Non-Union, Blade-Plate Fixation in, and in Complicated Fractures of the Supracondylar Region of the Femur. Alfons R. Altenberg and Richard L. Shorkey 312

PAGE

Non-Union of Fractures of the Medial Malleolus, The Treatment of. Sam W. Banks ... 658
Non-Union of Long Bones, Surgical Treatment of. Robert Merle d'Aubigné ... 256
[**Nucleus Pulposus.**] The Disc Syndrome. Results of the Conservative Care of Patients with Positive Myelograms. Paul C. Colonna and Zachary B. Friedenberg ... 614
[**Nutrient Artery.**] Avascular Necrosis of Large Segmental Fracture Fragments of the Long Bones. Edward L. Compere ... 47
Nutrient Arteries of the Vertebral Bodies. Theodore A. Willis ... 538

O

Obituaries
Arthur G. Davis ... 453
R. Nelson Hatt ... 687
Ellis William Jones ... 686
Compton Riely ... 452
Hulett Judson Wyckoff ... 220
Obliteration, Spontaneous Sacro-Iliac, in Patients with Tuberculosis. Alvin S. Isaacson and Walter M. Whitehouse ... 306
Obstetrical Injuries to the Long Bones, Some. Spencer T. Snedecor and Harrison B. Wilson ... 378
[**Obturator Nerve.**] Early Effects of Partial Sensory Denervation of the Hip for Relief of Pain in Chronic Arthritis. Benjamin E. Obletz, L. Maxwell Lockie, Elmer Milch, and Irving Hyman ... 805
[**Obturator Nerve.**] Procaine Injection for Relief of Pain in the Hip. Willard V. Ergenbright and Frederick C. Lowry ... 820
Obturator Neurectomy for Coxalgia. An Anatomical Study of the Obturator and the Accessory Obturator Nerves. Robert A. Kaiser ... 815
[**Olecranon.**] End Results in Physiological Blocking of Flail Joints. Alberto Inclán ... 748
[**Olecranon.**] Survival and Growth of an Epiphysis after Removal and Replacement. J. Albert Key ... 150
Open Reduction and Internal Fixation of Fractures of the Long Bones. Harrison L. McLaughlin, Sawnie R. Gaston, Charles S. Neer, and Frederick S. Craig ... 94
Operation, The Trumble, for Fusion of the Hip. George W. Van Gorder ... 717
Operative Treatment of Scoliosis, Critical Observations of the Results in the. William H. von Lackum and J. P. Miller ... 102
Orthopaedia, Andry and the. R. Beverly Raney ... 675
Orthopaedic Appliance Fellowship ... 689
Orthopaedic Surgery, What is? Specialization in Medicine: [Presidential Address, The American Orthopaedic Association.] Ralph K. Ghormley ... 459
Orthopaedics, Electromyography in. Arthur L. Watkins ... 822
[**Os Calcis.**] Changes in Elastic Adipose Tissue. John G. Kuhns ... 541
[**Oscillograph.**] Conservative Treatment of Functional Disorders of the Feet in the Adolescent and Adult. R. Plato Schwartz and Arthur L. Heath ... 501
[**Ossification.**] Evolution of Metaphyseal Fibrous Defects. Ignacio V. Ponseti and Barry Friedman ... 582
[**Ossification.**] The Experimental Production of Ectopic Cartilage and Bone in the Muscles of Rabbits. John H. Heinen, Jr., G. H. Dabbs, and H. A. Mason ... 765
[**Ossification of Muscles.**] Myositis Ossificans in Paraplegics. Leo Frederick Miller and Colman J. O'Neill ... 283
Ossification, Pathological, Spondylitis, and Calcification Associated with Spinal-Cord Injury. Daniel J. Abramson and Samuel Kamberg ... 275
[**Osteitis Fibrosa Cystica.**] Küntscher's Medullary Nailing. Lorenz Böhler and Jörg Böhler ... 295
Osteitis, Radiation, of the Ribs. Report of a Case with Fractures Appearing Four and One-Half and Eleven Years after Therapy. Ernst A. Pohle and Ralph C. Frank ... 654
[**Osteo-Arthritis.**] Procaine Injection for Relief of Pain in the Hip. Willard V. Ergenbright and Frederick C. Lowry ... 820
[**Osteo-Arthritis.**] A Technique for Arthrodesis of the Hip Joint. Alan DeForest Smith and Orren D. Baab ... 727
[**Osteo-Arthritis.**] Vitallium-Cup Arthroplasty of the Hip Joint. An End-Result Study. Frank E. Stinchfield and Robert E. Carroll ... 628
[**Osteo-Arthritis.**] Vitallium-Cup Arthroplasty of the Hip Joint. Review of Approximately One Hundred Cases. Alexander Gibson ... 861
[**Osteochondritis Deformans Juvenilis.**] Pathological Changes Found in Material Removed at Operation in Legg-Calvé-Perthes Disease. Samuel R. Haythorn ... 599
Osteochondritis Dissecans of the Patella, Bilateral. Samuel Kleinberg ... 185

PAGE

Osteochondroma of the Coronoid Process, Restricted Jaw Motion Due to. Richard T. Shackelford and Webster H. Brown ... 107
Osteochondromatosis. Robert D. Mussey, Jr., and Melvin S. Henderson ... 619
[**Osteochondrosarcoma.**] A Successful Prosthesis for Sacro-Iliac Disarticulation (Hemipelvectomy). Robert A. Wise ... 426
[**Osteogenesis.**] The Experimental Production of Ectopic Cartilage and Bone in the Muscles of Rabbits. John H. Heinen, Jr., G. H. Dabbs, and H. A. Mason ... 765
[**Osteogenesis Imperfecta.**] Intra-Uterine Fractures of the Tibia and Fibula. Report of a Case with Correction by Osteotomy and Plating. George R. Dawson, Jr. ... 406
Osteogenesis in Surgical Fractures, The Influence of the Contact-Compression Factor on. G. W. N. Eggers, Thomas O. Shindler, and Charles M. Pomerat ... 693
[**Osteomyelitis, Chronic.**] Amputations for Failure in Reconstructive Surgery. Alvin Hulnick, Charles Highsmith, and Frank J. Boutin ... 639
Osteomyelitis, Chronic, Fibrosarcoma of the Tibia Following. Report of a Case. Jack D. Kirshbaum 413
[**Osteoporosis.**] The Etiology of Trochanteric Fractures of the Femur. George N. Spears and J. T. Owen ... 548
[**Osteoporosis.**] Spondylitis, Pathological Ossification, and Calcification Associated with Spinal-Cord Injury. Daniel J. Abramson and Samuel Kamberg ... 275
Osteosynthesis of the Neck of the Femur. Johs. Spotoft ... 836
Osteotomy and Plating, Report of a Case with Correction by. Intra-Uterine Fractures of the Tibia and Fibula. George R. Dawson, Jr. ... 406
[**Osteotomy, Subtrochanteric.**] Congenital Coxa Vara. Frank Shaleen Babb, Ralph K. Ghormley, and Carl C. Chatterton ... 115

P

Pain in Chronic Arthritis, Early Effects of Partial Sensory Denervation of the Hip for Relief of. Benjamin E. Obletz, L. Maxwell Lockie, Elmer Milch, and Irving Hyman ... 805
Pain in the Hip, Procaine Injection for Relief of. Willard V. Ergenbright and Frederick C. Lowry ... 820
Palsy, Triceps, Muscle Transplantation for. The Technique of Utilizing the Latissimus Dorsi. Paul H. Harmon ... 409
Paralysis, Acute Traumatic Posterior Dislocation of an Intervertebral Disc with. Richard C. Schneider 566
Paralysis, Combined Median and Ulnar Nerve, Tendon Transfers and Arthrodeses in. J. William Littler ... 225
[**Paralysis, Infantile.**] Electromyography in Orthopaedics. Arthur L. Watkins ... 822
[**Paralysis, Infantile.**] The Iliotibial Band. Its Role in Producing Deformity in Poliomyelitis. Charles E. Irwin ... 141
[**Paralysis, Infantile.**] Prediction of Unequal Growth of the Lower Extremities in Anterior Poliomyelitis. Allan J. Stinchfield, John A. Reidy, and Joseph S. Barr ... 478
[**Paralysis.**] Myositis Ossificans in Paraplegics. Leo Frederick Miller and Colman J. O'Neill ... 283
[**Paraplegia.**] Acute Traumatic Posterior Dislocation of an Intervertebral Disc with Paralysis. Richard C. Schneider ... 566
Paraplegics, Myositis Ossificans in. Leo Frederick Miller and Colman J. O'Neill ... 283
[**Paraplegics.**] Spondylitis, Pathological Ossification, and Calcification Associated with Spinal-Cord Injury. Daniel J. Abramson and Samuel Kamberg ... 275
[**Parietal Bone.**] The Influence of the Contact-Compression Factor on Osteogenesis in Surgical Fractures. G. W. N. Eggers, Thomas O. Shindler, and Charles M. Pomerat ... 693
[**Parkinson's Disease.**] Electromyography in Orthopaedics. Arthur L. Watkins ... 822
[**Pars Interarticularis.**] The Pathology of Neural-Arch Defects. A Dissection Study. Maurice B. Roche 529
Partial Sensory Denervation of the Hip for Relief of Pain in Chronic Arthritis, Early Effects of. Benjamin E. Obletz, L. Maxwell Lockie, Elmer Milch, and Irving Hyman ... 805
Patella, Bilateral Osteochondritis Dissecans of the. Samuel Kleinberg ... 185
[**Patella.**] Calcification of the Bursae of the Knee. Theodore Norley and William H. Bickel ... 417
[**Patella.**] The Synovial Membrane of the Knee in Pathological Conditions. Robert Soeur ... 317
Pathological Changes Found in Material Removed at Operation in Legg-Calvé-Perthes Disease. Samuel R. Haythorn ... 599
Pathological Conditions, The Synovial Membrane of the Knee in. Robert Soeur ... 317
Pathological Ossification, Spondylitis, and Calcification Associated with Spinal-Cord Injury. Daniel J. Abramson and Samuel Kamberg ... 275
Pathology of Neural-Arch Defects, The. A Dissection Study. Maurice B. Roche ... 529
[**Pauwels' Classification.**] Osteosynthesis of the Neck of the Femur. Johs. Spotoft ... 836

PAGE

[**Pedicle, Exposure of.**] Surgical Approach to the Vertebral Body. Arthur A. Michele and Frederick J. Krueger ... 873
[**Pegging Operation.**] Slipping of the Upper Femoral Epiphysis. M. Beckett Howorth ... 734
[**Pelvic Obliquity.**] The Iliotibial Band. Its Role in Producing Deformity in Poliomyelitis. Charles E. Irwin ... 141
[**Pelvis.**] Etiology of Congenital Dislocation of the Hip. Carl E. Badgley ... 341
[**Pelvis.**] Legg-Perthes Disease and Slipped Epiphysis in the Same Patient. A Case Report. Herbert R. Markheim ... 666
[**Pelvis.**] Spondylitis, Pathological Ossification, and Calcification Associated with Spinal-Cord Injury. Daniel J. Abramson and Samuel Kamberg ... 275
[**Pelvis.**] A Successful Prosthesis for Sacro-Iliac Disarticulation (Hemipelvectomy). Robert A. Wise 426
[**Periosteal Stripping.**] Some Obstetrical Injuries to the Long Bones. Spencer T. Snedecor and Harrison B. Wilson ... 378
[**Peripheral Growth.**] The Growth of the Bone Marrow. Pierre Lacroix ... 776
[**Peripheral-Nerve Injuries.**] Electromyography in Orthopaedics. Arthur L. Watkins ... 822
[**Physical Medicine.**] Electromyography in Orthopaedics. Arthur L. Watkins ... 822
Physical Reconditioning, Aspects of. Marcus J. Stewart ... 394
[**Physical Therapy.**] The Use of the Technique of Progressive-Resistance Exercise in Adolescence. J. Roswell Gallagher and Thomas L. DeLorme ... 847
Physiological Blocking of Flail Joints, End Results in. Alberto Inclán ... 748
[**Pigeon-Toe.**] Tibial Torsion. Charles G. Hutter, Jr., and Walter Scott ... 511
[**Pinch Mechanism.**] Tendon Transfers and Arthrodeses in Combined Median and Ulnar Nerve Paralysis. J. William Littler ... 225
[**Pinning.**] External Skeletal Fixation in the Treatment of Fractures of the Tibia. John R. Naden ... 586
Plaster-of-Paris Spica Jacket, A Modified. Boyan Hadjistamoff ... 186
Plastic Corset for Arm and Leg Braces, A Rigid. Milton S. Thomson and Rex J. Howard ... 439
Plate, Blade-, Fixation in Non-Union and in Complicated Fractures of the Supracondylar Region of the Femur. Alfons R. Altenberg and Richard L. Shorkey ... 312
[**Plate, Trochanteric.**] A Method of Subtrochanteric Limb Shortening. Lawson Thornton ... 81
Plates, Bone, Forceps for Grasping and Holding. Meyer M. Stone ... 665
Plating, Report of a Case with Correction by Osteotomy and. Intra-Uterine Fractures of the Tibia and Fibula. George R. Dawson, Jr. ... 406
Poliomyelitis, Anterior, Prediction of Unequal Growth of the Lower Extremities in. Allan J. Stinchfield, John A. Reidy, and Joseph S. Barr ... 478
Poliomyelitis, Deformity in, Its Role in Producing. The Iliotibial Band. Charles E. Irwin ... 141
[**Poliomyelitis.**] Electromyography in Orthopaedics. Arthur L. Watkins ... 822
Positive Myelograms, Results of the Conservative Care of Patients with. The Disc Syndrome. Paul C. Colonna and Zachary B. Friedenberg ... 614
Posterior Dislocation of the Hip with Fracture of the Head of the Femur. Everett J. Gordon and Joseph A. Freiberg ... 869
Posterior Dislocation of the Sternoclavicular Joint. Report of a Case. Walter A. Gunther ... 878
Post-Graduate Education in Orthopaedic Surgery, Conference on. Joint Committee on Post-Graduate Training of The American Academy of Orthopaedic Surgeons and The American Orthopaedic Association ... 887
Posterior Angulation of the Tibia, Congenital. Clarence H. Heyman and Charles H. Herndon ... 571
Posterior Dislocation, Acute Traumatic, of an Intervertebral Disc with Paralysis. Richard C. Schneider 566
Posterior (Retroglenoid) Dislocation of the Humerus, Traumatic. John C. Wilson and Francis M. McKeever ... 160
[**Pott's Disease.**] Tuberculosis of the Spine. An Analysis of Cases Treated Surgically. David M. Bosworth and Jack Levine ... 267
Prediction of Unequal Growth of the Lower Extremities in Anterior Poliomyelitis. Allan J. Stinchfield, John A. Reidy, and Joseph S. Barr ... 478
[**Prepatellar Bursae.**] Calcification of the Bursae of the Knee. Theodore Norley and William H. Bickel 417
[**Presidential Address,** The American Orthopaedic Association.] Specialization in Medicine: What is Orthopaedic Surgery? Ralph K. Ghormley ... 459
[**Procaine Hydrochloride.**] Calcification of the Bursae of the Knee. Theodore Norley and William H. Bickel ... 417
Procaine Injection for Relief of Pain in the Hip. Willard V. Ergenbright and Frederick C. Lowry ... 820
Process, Coracoid, Isolated Fracture of the. Roy C. Rounds ... 662
Process, Coronoid, Osteochondroma of the, Restricted Jaw Motion Due to. Richard T. Shackelford and Webster H. Brown ... 107

PAGE

Production, The Experimental, of Ectopic Cartilage and Bone in the Muscles of Rabbits. John H. Heinen, Jr., G. H. Dabbs, and H. A. Mason ... 765
Prognostic Value, Therapeutic and, A Study of the. Amputation for Tuberculosis of Joints. David M. Bosworth and Walter P. Graul ... 194
Program for Training in Adult Orthopaedic Surgery and Fractures, A. (Conference on Post-Graduate Education in Orthopaedic Surgery.) Alan DeForest Smith ... 888
[**Progressive Muscle Atrophy.**] Electromyography in Orthopaedics. Arthur L. Watkins ... 822
Progressive-Resistance Exercise in Adolescence, The Use of the Technique of. J. Roswell Gallagher and Thomas L. DeLorme ... 847
Pronate the Hand, Spring Splint to Supinate or. Sterling Bunnell ... 664
[**Pronation.**] Conservative Treatment of Functional Disorders of the Feet in the Adolescent and Adult. R. Plato Schwartz and Arthur L. Heath ... 501
[**Prostheses.**] Amputations for Failure in Reconstructive Surgery. Alvin Hulnick, Charles Highsmith, and Frank J. Boutin ... 639
Prosthesis, A Successful, for Sacro-Iliac Disarticulation (Hemipelvectomy). Robert A. Wise ... 426
Pseudarthrosis, Congenital, Delayed Autogenous Bone Graft in the Treatment of. John Royal Moore 23
Pseudarthrosis Following Spine Fusion. Walter A. L. Thompson and Edgar L. Ralston ... 400
[**Pubocapsular Ligament.**] Obturator Neurectomy for Coxalgia. An Anatomical Study of the Obturator and the Accessory Obturator Nerves. Robert A. Kaiser ... 815
[**Pulmonary Lesion.**] Amputation for Tuberculosis of Joints. A Study of the Therapeutic and Prognostic Value. David M. Bosworth and Walter P. Graul ... 194

Q

[**Quadratus Femoris,** Nerve to.] Early Effects of Partial Sensory Denervation of the Hip for Relief of Pain in Chronic Arthritis. Benjamin E. Obletz, L. Maxwell Lockie, Elmer Milch, and Irving Hyman ... 805
[**Quadratus Femoris,** Nerve to.] Obturator Neurectomy for Coxalgia. An Anatomical Study of the Obturator and the Accessory Obturator Nerves. Robert A. Kaiser ... 815
[**Quadratus Femoris,** Nerve to.] Procaine Injection for Relief of Pain in the Hip. Willard V. Ergenbright and Frederick C. Lowry ... 820
[**Quadriceps.**] The Use of the Technique of Progressive-Resistance Exercise in Adolescence. J. Roswell Gallagher and Thomas L. DeLorme ... 847
de **Quervain's Syndrome,** An Unusual Form of. Report of Two Cases. Ian D. Murphy ... 858

R

Rabbits, The Experimental Production of Ectopic Cartilage and Bone in the Muscles of. John H. Heinen, Jr., G. H. Dabbs, and H. A. Mason ... 765
Radiation Osteitis of the Ribs. Report of a Case with Fractures Appearing Four and One-Half and Eleven Years after Therapy. Ernst A. Pohle and Ralph C. Frank ... 654
[**Radius.**] Fractures of Both Bones of the Forearm in Adults. Robert A. Knight and George D. Purvis 755
[**Radius.**] Survival and Growth of an Epiphysis after Removal and Replacement. J. Albert Key ... 150
Rat, Albino, Effect of Diathermy (Short Wave and Microwave) on Bone Growth in the. Charles S. Wise, Benjamin Castleman, and Arthur L. Watkins ... 487
[**Reaction, Electrolytic.**] Open Reduction and Internal Fixation of Fractures of the Long Bones. Harrison L. McLaughlin, Sawnie R. Gaston, Charles S. Neer, and Frederick S. Craig ... 94
Reconditioning, Physical, Aspects of. Marcus J. Stewart ... 394
[**Reconstruction, Brackett.**] Congenital Coxa Vara. Frank Shaleen Babb, Ralph K. Ghormley, and Carl C. Chatterton ... 115
Reconstructive Surgery, Amputations for Failure in. Alvin Hulnick, Charles Highsmith, and Frank J. Boutin ... 639
Rectosigmoid Region, Metastatic Adenocarcinoma of the Talus from the. Report of a Case. E. W. Johnson, Jr., and Joseph M. Janes ... 181
Reduction, Open, and Internal Fixation of Fractures of the Long Bones. Harrison L. McLaughlin, Sawnie R. Gaston, Charles S. Neer, and Frederick S. Craig ... 94
[**Rehabilitation.**] Aspects of Physical Reconditioning. Marcus J. Stewart ... 394
Relationship between Congenital Subluxation and Congenital Dislocation. Congenital Dysplasia of the Hip Joint. Vernon L. Hart ... 357
Relationship of the Division of Orthopaedic Surgery with the Other Divisions of Surgery, The. (A Conference of Teachers of Orthopaedic Surgery.) Donald King ... 210
Relationship of the Division of Orthopaedic Surgery with the Other Divisions of Surgery, The. (A Conference of Teachers of Orthopaedic Surgery.) Allan D. Smith ... 210

PAGE

Relief of Pain in Chronic Arthritis, Early Effects of Partial Sensory Denervation of the Hip for. Benjamin E. Obletz, L. Maxwell Lockie, Elmer Milch, and Irving Hyman 805

Relief of Pain in the Hip, Procaine Injection for. Willard V. Ergenbright and Frederick C. Lowry 820

[Remedial Exercises.] Aspects of Physical Reconditioning. Marcus J. Stewart 394

Replacement, Removal and, Survival and Growth of an Epiphysis after. J. Albert Key 150

[Report of the Committee on Fractures and Traumatic Surgery of The American Academy of Orthopaedic Surgeons.] Departmental Teaching of Fractures in the Medical Schools of the United States. Herman F. Johnson and Sidney L. Stovall 199

Reports of the Visit to Great Britain of Orthopaedic Surgeons from the United States and Canada. Donald W. Blanche and F. P. Dewar 683

Research, Publications, Physical Medicine, and Other Special Subjects in a Resident-Training Program. (Conference on Post-Graduate Education in Orthopaedic Surgery.) Fremont A. Chandler. . 902

[Resection of Obturator Nerve.] Early Effects of Partial Sensory Denervation of the Hip for Relief of Pain in Chronic Arthritis. Benjamin E. Obletz, L. Maxwell Lockie, Elmer Milch, and Irving Hyman 805

[Resection of Obturator Nerve.] Obturator Neurectomy for Coxalgia. An Anatomical Study of the Obturator and the Accessory Obturator Nerves. Robert A. Kaiser 815

Resident Training in an Army Hospital. (Conference on Post-Graduate Education in Orthopaedic Surgery.) Milton S. Thompson 897

Resident Training in a Navy Hospital. (Conference on Post-Graduate Education in Orthopaedic Surgery.) Joseph S. Barr 898

Resident Training in a Veterans Administration Hospital. (Conference on Post-Graduate Education in Orthopaedic Surgery.) Dana M. Street 895

Resistance, Progressive-, Exercise in Adolescence, The Use of the Technique of. J. Roswell Gallagher and Thomas L. DeLorme 847

[Resting Muscles.] Electromyography in Orthopaedics. Arthur L. Watkins 822

Restricted Jaw Motion Due to Osteochondroma of the Coronoid Process. Richard T. Shackelford and Webster H. Brown 107

Results of the Conservative Care of Patients with Positive Myelograms. The Disc Syndrome. Paul C. Colonna and Zachary B. Friedenberg 614

Results, End, in Physiological Blocking of Flail Joints. Alberto Inclán 748

Results in the Operative Treatment of Scoliosis, Critical Observations of the. William H. von Lackum and J. P. Miller 102

Results of the Survey on the Requirements for Basic-Science Training. (Conference on Post-Graduate Education in Orthopaedic Surgery.) Francis M. McKeever 906

Retractor, A Spine, of Simple Construction. Werner P. Jensen 436

(Retroglenoid) Dislocation of the Humerus, Traumatic Posterior. John C. Wilson and Francis M. McKeever 160

Rheumatic Diseases, Seventh International Congress on 689

[Rheumatoid Arthritis.] Vitallium-Cup Arthroplasty of the Hip Joint. An End-Result Study. Frank E. Stinchfield and Robert E. Carroll 628

Ribs, Radiation Osteitis of the. Report of a Case with Fractures Appearing Four and One-Half and Eleven Years after Therapy. Ernst A. Pohle and Ralph C. Frank 654

Riely, Compton. [Obituary.] 452

[Righting Reflex.] Critical Observations of the Results in the Operative Treatment of Scoliosis. William H. von Lackum and J. P. Miller 102

Rigid Plastic Corset for Arm and Leg Braces, A. Milton S. Thompson and Rex J. Howard 439

[Roentgen Technique.] Restricted Jaw Motion Due to Osteochondroma of the Coronoid Process. Richard T. Shackelford and Webster H. Brown 107

Roentgenographic Changes in Nailed Slipped Capital Femoral Epiphysis. Armin Klein, Robert J. Joplin, John A. Reidy, and Joseph Hanelin 1

[Roentgenotherapy.] Radiation Osteitis of the Ribs. Report of a Case with Fractures Appearing Four and One-Half and Eleven Years after Therapy. Ernst A. Pohle and Ralph C. Frank 654

[Rotation.] Tibial Torsion. Charles G. Hutter, Jr., and Walter Scott 511

[Rotation Alignment.] Fractures of Both Bones of the Forearm in Adults. Robert A. Knight and George D. Purvis 755

[Rubber Glove.] A Simple and Effective Splint for Use in the Treatment of Clawing of the Toes. William J. Wilson 198

[Ruptured Intervertebral Disc.] Electromyography in Orthopaedics. Arthur L. Watkins 822

PAGE

S

Sacro-Iliac Disarticulation (Hemipelvectomy), A Successful Prosthesis for. Robert A. Wise 426
[**Sacro-Iliac Joints.**] Spondylitis, Pathological Ossification, and Calcification Associated with Spinal-Cord Injury. Daniel J. Abramson and Samuel Kamberg 275
Sacro-Iliac Obliteration, Spontaneous, in Patients with Tuberculosis. Alvin S. Isaacson and Walter M. Whitehouse 306
[**Sacrum.**] The Pathology of Neural-Arch Defects. A Dissection Study. Maurice B. Roche 529
[**Sarcoma.**] Fibrosarcoma of the Tibia Following Chronic Osteomyelitis. Report of a Case. Jack D. Kirshbaum 413
[**Sarcoma.**] A Successful Prosthesis for Sacro-Iliac Disarticulation (Hemipelvectomy). Robert A. Wise 426
[**Scapula.**] Acute Anterior Dislocation of the Shoulder. Toufick Nicola 153
[**Scapula.**] Isolated Fracture of the Coracoid Process. Roy C. Rounds 662
[**Scapulohumeral Joint.**] Surgical Approaches to the Shoulder Joint. LeRoy C. Abbott, John B. deC. M. Saunders, Helen Hagey, and Ellis W. Jones, Jr. 235
[**Sciatic Nerve.**] Early Effects of Partial Sensory Denervation of the Hip for Relief of Pain in Chronic Arthritis. Benjamin E. Obletz, L. Maxwell Lockie, Elmer Milch, and Irving Hyman 805
[**Sclerosis.**] Spondylitis, Pathological Ossification, and Calcification Associated with Spinal-Cord Injury. Daniel J. Abramson and Samuel Kamberg 275
Scoliosis, Critical Observations of the Results in the Operative Treatment of. William H. von Lackum and J. P. Miller 102
Scoliosis, The Mechanism of the Structural Changes in. Alvin M. Arkin 519
[**Scoliosis.**] Pseudarthrosis Following Spine Fusion. Walter A. L. Thompson and Edgar L. Ralston .. 400
[**Scope of Orthopaedic Surgery.**] Specialization in Medicine: What is Orthopaedic Surgery? [Presidential Address, The American Orthopaedic Association.] Ralph K. Ghormley 459
Segmental Fracture Fragments of the Long Bones, Avascular Necrosis of Large. Edward L. Compere 47
[**Self-Rising Chairs.**] Mechanical Aids for Patients with Muscular Disability. Paul Thomas Young .. 428
[**Semilunar Cartilages.**] A Study of the Tensile Strength of the Menisci of the Knee. P. D. Mathur, John R. McDonald, and Ralph K. Ghormley 650
Sensory Denervation of the Hip, Partial, for Relief of Pain in Chronic Arthritis, Early Effects of. Benjamin E. Obletz, L. Maxwell Lockie, Elmer Milch, and Irving Hyman 805
[**Sensory Fibers.**] Obturator Neurectomy for Coxalgia. An Anatomical Study of the Obturator and the Accessory Obturator Nerves. Robert A. Kaiser 815
[**Sesamoids, Displacement of.**] The Short First Metatarsal. Its Incidence and Clinical Significance. Robert I. Harris and Thomas Beath 553
Seventh International Congress on Rheumatic Diseases 689
[**Shoe Lasts.**] Conservative Treatment of Functional Disorders of the Feet in the Adolescent and Adult. R. Plato Schwartz and Arthur L. Heath 501
Short First Metatarsal, The. Its Incidence and Clinical Significance. Robert I. Harris and Thomas Beath 553
(**Short Wave** and Microwave), Effect of Diathermy, on Bone Growth in the Albino Rat. Charles S. Wise, Benjamin Castleman, and Arthur L. Watkins 487
Shortening, Limb, A Method of Subtrochanteric. Lawson Thornton 81
[**Shortening.**] Prediction of Unequal Growth of the Lower Extremities in Anterior Poliomyelitis. Allan J. Stinchfield, John A. Reidy, and Joseph S. Barr 478
[**Shortening** of Uninvolved Extremity.] Küntscher's Medullary Nailing. Lorenz Böhler and Jörg Böhler 295
Shoulder, An Abduction Exercise Splint for the. Edward J. Coughlin, Jr. 438
Shoulder, Acute Anterior Dislocation of the. Toufick Nicola 153
[**Shoulder.**] Isolated Fracture of the Coracoid Process. Roy C. Rounds 662
[**Shoulder.**] A Modified Plaster-of-Paris Spica Jacket. Boyan Hadjistamoff 186
[**Shoulder.**] Posterior Dislocation of the Sternoclavicular Joint. Report of a Case. Walter A. Gunther 878
[**Shoulder.**] Traumatic Posterior (Retroglenoid) Dislocation of the Humerus. John C. Wilson and Francis M. McKeever 160
Shoulder, The Treatment of Recent Dislocations and Fracture-Dislocations of the. Henry Milch 173
[**Shoulders.**] Tumoral Calcinosis. J. E. M. Thomson and Frank H. Tanner 132
Shoulder Joint, Surgical Approaches to the. LeRoy C. Abbott, John B. deC. M. Saunders, Helen Hagey, and Ellis W. Jones, Jr. 235
Simple and Effective Splint for Use in the Treatment of Clawing of the Toes, A. William J. Wilson .. 198
Skeletal Fixation, External, in the Treatment of Fractures of the Tibia. John R. Naden 586
[**Skeletal Foci** of Infection.] Tuberculosis of the Spine. An Analysis of Cases Treated Surgically. David M. Bosworth and Jack Levine 267

PAGE

Skeletal Traction, The Use of, in the Treatment of Fractures of the Femur. Edward M. Winant.... 87
[**Skin-Grafting.**] Amputations for Failure in Reconstructive Surgery. Alvin Hulnick, Charles Highsmith, and Frank J. Boutin.... 639
[**"Slab" Jacket.**] A Modified Plaster-of-Paris Spica Jacket. Boyan Hadjistamoff.... 186
Slipped Capital Femoral Epiphysis, Nailed, Roentgenographic Changes in. Armin Klein, Robert J. Joplin, John A. Reidy, and Joseph Hanelin.... 1
Slipped Epiphysis, Legg-Perthes Disease and, in the Same Patient. A Case Report. Herbert R. Markheim.... 666
[**Slipped Femoral Epiphysis.**] Vitallium-Cup Arthroplasty of the Hip Joint. An End-Result Study. Frank E. Stinchfield and Robert E. Carroll.... 628
Slipping of the Upper Femoral Epiphysis. M. Beckett Howorth.... 734
Smith-Petersen Nail and Fibular Graft, Intracapsular Fractures of the Femur Treated with a Combined. James Patrick.... 67
[**Smith-Petersen Nail.**] A Method of Subtrochanteric Limb Shortening. Lawson Thornton.... 81
Sociedad Latino-Americana de Ortopedia y Traumatología.... 220
Sociedad Mexicana de Ortopedia.... 447
Sociedad Nacional de Cirugia (Cuba).... 688
[**Soft-Tissue Injury.**] Effect of Diathermy (Short Wave and Microwave) on Bone Growth in the Albino Rat. Charles S. Wise, Benjamin Castleman, and Arthur L. Watkins.... 487
Some Obstetrical Injuries to the Long Bones. Spencer T. Snedecor and Harrison B. Wilson.... 378
[**Soutter Fasciotomy.**] The Iliotibial Band. Its Role in Producing Deformity in Poliomyelitis. Charles E. Irwin.... 141
[**Spasm.**] Early Effects of Partial Sensory Denervation of the Hip for Relief of Pain in Chronic Arthritis. Benjamin E. Obletz, L. Maxwell Lockie, Elmer Milch, and Irving Hyman.... 805
[**Spasmodic Torticollis.**] Electromyography in Orthopaedics. Arthur L. Watkins.... 822
Special Training the Resident Should Have in Cerebral Palsy. (Conference on Post-Graduate Education in Orthopaedic Surgery.) Robert A. Knight.... 899
Special Training the Resident Should Have in the Fitting and Making of Braces and Prostheses. (Conference on Post-Graduate Education in Orthopaedic Surgery.) Atha Thomas.... 901
Special Training for the Resident Staff in Infantile Paralysis. (Conference on Post-Graduate Education in Orthopaedic Surgery.) Raymond E. Lenhard.... 900
Specialization in Medicine: What is Orthopaedic Surgery? [Presidential Address, The American Orthopaedic Association.] Ralph K. Ghormley.... 459
Spica Jacket, A Modified Plaster-of-Paris. Boyan Hadjistamoff.... 186
Spinal-Cord Injury, Spondylitis, Pathological Ossification, and Calcification Associated with. Daniel J. Abramson and Samuel Kamberg.... 275
[**Spinal Cord.**] Myositis Ossificans in Paraplegics. Leo Frederick Miller and Colman J. O'Neill.... 283
[**Spine.**] Acute Traumatic Posterior Dislocation of an Intervertebral Disc with Paralysis. Richard C. Schneider.... 566
Spine, Ankylosed, Fractures of the. Ernst W. Bergmann.... 669
[**Spine.**] Critical Observations of the Results in the Operative Treatment of Scoliosis. William H. von Lackum and J. P. Miller.... 102
[**Spine.**] The Disc Syndrome. Results of the Conservative Care of Patients with Positive Myelograms. Paul C. Colonna and Zachary B. Friedenberg.... 614
Spine Fusion, Pseudarthrosis Following. Walter A. L. Thompson and Edgar L. Ralston.... 400
[**Spine.**] A Lumbosacral Support. Rex L. Diveley.... 441
[**Spine.**] The Mechanism of the Structural Changes in Scoliosis. Alvin M. Arkin.... 519
[**Spine.**] A Mortised Transfacet Bone Block for Lumbosacral Fusion. Earl D. McBride.... 385
[**Spine.**] Nutrient Arteries of the Vertebral Bodies. Theodore A. Willis.... 538
[**Spine.**] The Pathology of Neural-Arch Defects. A Dissection Study. Maurice B. Roche.... 529
Spine Retractor of Simple Construction, A. Werner P. Jensen.... 436
[**Spine.**] Spontaneous Sacro-Iliac Obliteration in Patients with Tuberculosis. Alvin S. Isaacson and Walter M. Whitehouse.... 306
[**Spine.**] Surgical Approach to the Vertebral Body. Arthur A. Michele and Frederick J. Krueger.... 873
Spine, Tuberculosis of the. An Analysis of Cases Treated Surgically. David M. Bosworth and Jack Levine.... 267
Splint, An Abduction Exercise, for the Shoulder. Edward J. Coughlin, Jr.... 438
[**Splint, Hand.**] Tendon Transfers and Arthrodeses in Combined Median and Ulnar Nerve Paralysis. J. William Littler.... 225
Splint, A Simple and Effective, for Use in the Treatment of Clawing of the Toes. William J. Wilson 198
Splint, Spring, to Supinate or Pronate the Hand. Sterling Bunnell.... 664

PAGE

Splint, Universal, for Hip Motion. Paul C. Thompson and James H. Cherry ... 434
Spondylitis, Pathological Ossification, and Calcification Associated with Spinal-Cord Injury. Daniel J. Abramson and Samuel Kamberg ... 275
[**Spondylolisthesis.**] Pseudarthrosis Following Spine Fusion. Walter A. L. Thompson and Edgar L. Ralston ... 400
[**Spondyloschisis.**] The Pathology of Neural-Arch Defects. A Dissection Study. Maurice B. Roche ... 529
Spontaneous Sacro-Iliac Obliteration in Patients with Tuberculosis. Alvin S. Isaacson and Walter M. Whitehouse ... 306
[**"Sprained" Ankles.**] Injuries of the Lateral Ligaments of the Ankle. A Clinical and Experimental Study. Morton H. Leonard ... 373
Spring Splint to Supinate or Pronate the Hand. Sterling Bunnell ... 664
[**Spring Splint.**] The Treatment of Congenital Club-Foot. Nine Years' Experience with a Modification of the Denis Browne Method and Splint. Stuart A. Thomson ... 431
Stapling, Epiphyseal, Control of Bone Growth by. A Preliminary Report. Walter P. Blount and George R. Clarke ... 464
[**Stenosing Tendovaginitis.**] Trigger Thumb in Infants. Edwin E. Sprecher ... 672
[**Stepping-Stick Canes.**] Mechanical Aids for Patients with Muscular Disability. Paul Thomas Young 428
Sternoclavicular Joint, Posterior Dislocation of the. Report of a Case. Walter A. Gunther ... 878
[**Sternoclavicular Joint.**] Surgical Approaches to the Shoulder Joint. LeRoy C. Abbott, John B. deC. M. Saunders, Helen Hagey, and Ellis W. Jones, Jr. ... 235
[**Strain, Back.**] The Use of the Technique of Progressive-Resistance Exercise in Adolescence. J. Roswell Gallagher and Thomas L. DeLorme ... 847
Strength, Tensile, of the Menisci of the Knee, A Study of the. P. D. Mathur, John R. McDonald, and Ralph K. Ghormley ... 650
[**"Stresscoat" Technique.**] The Etiology of Trochanteric Fractures of the Femur. George N. Spears and J. T. Owen ... 548
Structural Changes in Scoliosis, The Mechanism of the. Alvin M. Arkin ... 519
Study, An Anatomical, of the Obturator and the Accessory Obturator Nerves. Obturator Neurectomy for Coxalgia. Robert A. Kaiser ... 815
Study, A Dissection. The Pathology of Neural-Arch Defects. Maurice B. Roche ... 529
Study of the Tensile Strength of the Menisci of the Knee, A. P. D. Mathur, John R. McDonald, and Ralph K. Ghormley ... 650
Study of the Therapeutic and Prognostic Value, A. Amputation for Tuberculosis of Joints. David M. Bosworth and Walter P. Graul ... 194
Subluxation, Congenital, and Congenital Dislocation, Relationship between. Congenital Dysplasia of the Hip Joint. Vernon L. Hart ... 357
[**Subluxation.**] Etiology of Congenital Dislocation of the Hip. Carl E. Badgley ... 341
[**Subluxation.**] Injuries of the Lateral Ligaments of the Ankle. A Clinical and Experimental Study. Morton H. Leonard ... 373
[**Substitution, Creeping.**] Avascular Necrosis of Large Segmental Fracture Fragments of the Long Bones. Edward L. Compere ... 47
[**Substitution, Creeping.**] Treatment of the Necrotic Head of the Femur in Adults. Dallas B. Phemister 55
Subtrochanteric Limb Shortening, A Method of. Lawson Thornton ... 81
[**Subtrochanteric Osteotomy.**] Congenital Coxa Vara. Frank Shaleen Babb, Ralph K. Ghormley, and Carl C. Chatterton ... 115
[**Subtrochanteric Osteotomy.**] Slipping of the Upper Femoral Epiphysis. M. Beckett Howorth ... 734
Successful Prosthesis for Sacro-Iliac Disarticulation (Hemipelvectomy), A. Robert A. Wise ... 426
Supinate or Pronate the Hand, Spring Splint to. Sterling Bunnell ... 664
Support, A Lumbosacral. Rex L. Diveley ... 441
Supracondylar Region of the Femur, Blade-Plate Fixation in Non-Union and in Complicated Fractures of the. Alfons R. Altenberg and Richard L. Shorkey ... 312
[**Supracondylar Traction.**] The Use of Skeletal Traction in the Treatment of Fractures of the Femur. Edward M. Winant ... 87
Surgery, Orthopaedic, What Is? Specialization in Medicine: [Presidential Address, The American Orthopaedic Association.] Ralph K. Ghormley ... 459
Surgery, Reconstructive, Amputations for Failure in. Alvin Hulnick, Charles Highsmith, and Frank J. Boutin ... 639
Surgical Approach to the Vertebral Body. Arthur A. Michele and Frederick J. Krueger ... 873
Surgical Approaches to the Shoulder Joint. LeRoy C. Abbott, John B. deC. M. Saunders, Helen Hagey, and Ellis W. Jones, Jr. ... 235
Surgical Engine, Adaptations of the. Daniel M. Stiefel ... 442

PAGE

Surgical Fractures, The Influence of the Contact-Compression Factor on Osteogenesis in. G. W. N. Eggers, Thomas O. Shindler, and Charles M. Pomerat 693
Surgical Treatment of Non-Union of Long Bones. Robert Merle d'Aubigné 256
Survival and Growth of an Epiphysis after Removal and Replacement. J. Albert Key 150
[**Syme Amputation.**] Amputations for Failure in Reconstructive Surgery. Alvin Hulnick, Charles Highsmith, and Frank J. Boutin 639
[**Syme Amputation.**] Causes for Amputations Performed at Walter Reed General Hospital during 1947 and 1948. August W. Spittler and Lloyd W. Taylor 800
Syndrome, The Disc. Results of the Conservative Care of Patients with Positive Myelograms. Paul C. Colonna and Zachary B. Friedenberg 614
Syndrome, de Quervain's, An Unusual Form of. Report of Two Cases. Ian D. Murphy 858
[**Synovial Membrane.**] Closed Drainage of the Knee Joint Following Arthrotomy. Fremont A. Chandler 580
[**Synovial Membrane.**] Hemangioma of the Knee Joint. Julian E. Jacobs and F. Wayne Lee 831
Synovial Membrane of the Knee in Pathological Conditions, The. Robert Soeur 317
[**Synovial Membrane.**] Osteochondromatosis. Robert D. Mussey, Jr., and Melvin S. Henderson 619
[**Syphilis.**] Intra-Uterine Fractures of the Tibia and Fibula. Report of a Case with Correction by Osteotomy and Plating. George R. Dawson, Jr. 406

T

[**Talipes.**] The Treatment of Congenital Club-Foot. Nine Years' Experience with a Modification of the Denis Browne Method and Splint. Stuart A. Thomson 431
[**Talipes Calcaneus.**] Congenital Posterior Angulation of the Tibia. Clarence H. Heyman and Charles H. Herndon 571
[**Talofibular Ligament.**] Injuries of the Lateral Ligaments of the Ankle. A Clinical and Experimental Study. Morton H. Leonard 373
[**Talus.**] End Results in Physiological Blocking of Flail Joints. Alberto Inclán 748
[**Talus.**] Injuries of the Lateral Ligaments of the Ankle. A Clinical and Experimental Study. Morton H. Leonard 373
Talus, Metastatic Adenocarcinoma of the, from the Rectosigmoid Region. Report of a Case. E. W. Johnson, Jr., and Joseph M. Janes 181
Teachers of Orthopaedic Surgery, A Conference of. Committee on Undergraduate Training of The American Orthopaedic Association 203
Teaching of Fractures, Departmental, in the Medical Schools of the United States. (Report of the Committee on Fractures and Traumatic Surgery of The American Academy of Orthopaedic Surgeons.) Herman F. Johnson and Sidney L. Stovall 199
Technique for Arthrodesis of the Hip Joint, A. Alan DeForest Smith and Orren D. Baab 727
Technique of Progressive-Resistance Exercise in Adolescence, The Use of the. J. Roswell Gallagher and Thomas L. DeLorme 847
Technique of Utilizing the Latissimus Dorsi, The. Muscle Transplantation for Triceps Palsy. Paul H. Harmon 409
Tendon Transfers and Arthrodeses in Combined Median and Ulnar Nerve Paralysis. J. William Littler 225
[**Tendovaginitis, Stenosing.**] Trigger Thumb in Infants. Edwin E. Sprecher 672
[**Tenosynovitis.**] An Unusual Form of de Quervain's Syndrome. Report of Two Cases. Ian D. Murphy 858
Tensile Strength of the Menisci of the Knee, A Study of the. P. D. Mathur, John R. McDonald, and Ralph K. Ghormley 650
[**Tensile Stress.**] The Etiology of Trochanteric Fractures of the Femur. George N. Spears and J. T. Owen 548
[**Teres Major.**] Muscle Transplantation for Triceps Palsy. The Technique of Utilizing the Latissimus Dorsi. Paul H. Harmon 409
Therapeutic and Prognostic Value, A Study of. Amputation for Tuberculosis of Joints. David M. Bosworth and Walter P. Graul 194
[**Therapy, Physical.**] The Use of the Technique of Progressive-Resistance Exercise in Adolescence. J. Roswell Gallagher and Thomas L. DeLorme 847
[**Thigh.**] The Use of Skeletal Traction in the Treatment of Fractures of the Femur. Edward M. Winant 87
[**Thoracolumbar Vertebrae.**] Surgical Approach to the Vertebral Body. Arthur A. Michele and Frederick J. Krueger 873
[**Thorium.**] The Growth of the Bone Marrow. Pierre Lacroix 776
Thumb, Trigger, in Infants. Edwin E. Sprecher 672
[**Thumb.**] An Unusual Form of de Quervain's Syndrome. Report of Two Cases. Ian D. Murphy 858
Tibia, Congenital Posterior Angulation of the. Clarence H. Heyman and Charles H. Herndon 571

PAGE

[Tibia.] Control of Bone Growth by Epiphyseal Stapling. A Preliminary Report. Walter P. Blount and George R. Clarke ... 464
Tibia, External Skeletal Fixation in the Treatment of Fractures of the. John R. Naden ... 586
Tibia, Fibrosarcoma of the, Following Chronic Osteomyelitis. Report of a Case. Jack D. Kirshbaum 413
[Tibia.] Fibrous Dysplasia. Report of a Case. Philip T. Schlesinger, Sidney Keats, and Andrew C. Ruoff, III ... 187
Tibia and Fibula, Intra-Uterine Fractures of the. Report of a Case with Correction by Osteotomy and Plating. George R. Dawson, Jr. ... 406
[Tibia.] The Growth of the Bone Marrow. Pierre Lacroix ... 776
[Tibia.] Open Reduction and Internal Fixation of Fractures of the Long Bones. Harrison L. McLaughlin, Sawnie R. Gaston, Charles S. Neer, and Frederick S. Craig ... 94
[Tibia.] Surgical Treatment of Non-Union of Long Bones. Robert Merle d'Aubigné ... 256
[Tibia.] The Treatment of Non-Union of Fractures of the Medial Malleolus. Sam W. Banks ... 658
[Tibial Collateral Ligament.] A Study of the Tensile Strength of the Menisci of the Knee. P. D. Mathur, John R. McDonald, and Ralph K. Ghormley ... 650
Tibial Torsion. Charles G. Hutter, Jr., and Walter Scott ... 511
Tissue, Elastic Adipose, Changes in. John G. Kuhns ... 541
Toes, Clawing of the, A Simple and Effective Splint for Use in the Treatment of. William J. Wilson ... 198
Torsion, Tibial. Charles G. Hutter, Jr., and Walter Scott ... 511
[Traction Downward.] Acute Anterior Dislocation of the Shoulder. Toufick Nicola ... 153
Traction, Skeletal, The Use of, in the Treatment of Fractures of the Femur. Edward M. Winant ... 87
[Transection Jacket.] Critical Observations of the Results in the Operative Treatment of Scoliosis. William H. von Lackum and J. P. Miller ... 102
Transfacet Bone Block, A Mortised, for Lumbosacral Fusion. Earl D. McBride ... 385
Transfers, Tendon, and Arthrodeses in Combined Median and Ulnar Nerve Paralysis. J. William Littler 225
Transplantation, Muscle, for Triceps Palsy. The Technique of Utilizing the Latissimus Dorsi. Paul H. Harmon ... 409
[Transverse Lesions.] Myositis Ossificans in Paraplegics. Leo Frederick Miller and Colman J. O'Neill 283
[Transverse Lesions.] Spondylitis, Pathological Ossification, and Calcification Associated with Spinal-Cord Injury. Daniel J. Abramson and Samuel Kamberg ... 275
[Traumatic Loss of Limb.] Causes for Amputations Performed at Walter Reed General Hospital during 1947 and 1948. August W. Spittler and Lloyd W. Taylor ... 800
Traumatic Posterior Dislocation, Acute, of an Intervertebral Disc with Paralysis. Richard C. Schneider 566
Traumatic Posterior (Retroglenoid) Dislocation of the Humerus. John C. Wilson and Francis M. McKeever ... 160
[Traumatic Surgery.] Departmental Teaching of Fractures in the Medical Schools of the United States. (Report of the Committee on Fractures and Traumatic Surgery of The American Academy of Orthopaedic Surgeons.) Herman F. Johnson and Sidney L. Stovall ... 199
[Travelling Fellowship.] Reports of the Visit to Great Britain of Orthopaedic Surgeons from the United States and Canada. Donald W. Blanche and F. P. Dewar ... 683
Treatment of Clawing of the Toes, A Simple and Effective Splint for Use in the. William J. Wilson ... 198
Treatment of Congenital Club-Foot, The. Nine Years' Experience with a Modification of the Denis Browne Method and Splint. Stuart A. Thomson ... 431
Treatment of Congenital Pseudarthrosis, Delayed Autogenous Bone Graft in the. John Royal Moore 23
Treatment, Conservative, of Functional Disorders of the Feet in the Adolescent and Adult. R. Plato Schwartz and Arthur L. Heath ... 501
Treatment of Fractures of the Femur, The Use of Skeletal Traction in the. Edward M. Winant ... 87
Treatment of Fractures of the Tibia, External Skeletal Fixation in the. John R. Naden ... 586
Treatment of the Necrotic Head of the Femur in Adults. Dallas B. Phemister ... 55
Treatment of Non-Union of Fractures of the Medial Malleolus, The. Sam W. Banks ... 658
Treatment, Operative, of Scoliosis, Critical Observations of the Results in the. William H. von Lackum and J. P. Miller ... 102
Treatment of Recent Dislocations and Fracture-Dislocations of the Shoulder, The. Henry Milch ... 173
Treatment, Surgical, of Non-Union of Long Bones. Robert Merle d'Aubigné ... 256
Trephine Biopsy of Bone with Special Reference to the Lumbar Vertebral Bodies. Robert S. Siffert and Alvin M. Arkin ... 146
Trephine Curettage, A Method of Procuring Iliac Bone by. Walter Scott, Ralph C. Petersen, and Sidney Grant ... 860
[Trephine.] Surgical Approach to the Vertebral Body. Arthur A. Michele and Frederick J. Krueger. 873
Triceps Palsy, Muscle Transplantation for. The Technique of Utilizing the Latissimus Dorsi. Paul H. Harmon ... 409

PAGE

[**Trifin Nail.**] Intracapsular Fractures of the Femur Treated with a Combined Smith-Petersen Nail and Fibular Graft. James Patrick ... 67
Trigger Thumb in Infants. Edwin E. Sprecher ... 672
Trochanteric Fractures of the Femur, The Etiology of. George N. Spears and J. T. Owen ... 548
[**Trochanteric Plate.**] A Method of Subtrochanteric Limb Shortening. Lawson Thornton ... 81
[**Tropometric Measurements.**] Tibial Torsion. Charles G. Hutter, Jr., and Walter Scott ... 511
Trumble Operation for Fusion of the Hip, The. George W. Van Gorder ... 717
Tuberculosis of the Hip, Amputation for Discrepancy of Limb Length in. Fremont A. Chandler and Theodore A. Fox ... 420
Tuberculosis of Joints, Amputation for. A Study of the Therapeutic and Prognostic Value. David M. Bosworth and Walter P. Graul ... 194
[**Tuberculosis.**] Pseudarthrosis Following Spine Fusion. Walter A. L. Thompson and Edgar L. Ralston 400
Tuberculosis of the Spine. An Analysis of Cases Treated Surgically. David M. Bosworth and Jack Levine ... 267
Tuberculosis, Spontaneous Sacro-Iliac Obliteration in Patients with. Alvin S. Isaacson and Walter M. Whitehouse ... 306
[**Tuberculosis.**] The Trumble Operation for Fusion of the Hip. George W. Van Gorder ... 717
[**Tumor.**] Fibrosarcoma of the Tibia Following Chronic Osteomyelitis. Report of a Case. Jack D. Kirshbaum ... 413
[**Tumor.**] Fibrous Dysplasia. Report of a Case. Philip T. Schlesinger, Sidney Keats, and Andrew C. Ruoff, III ... 187
[**Tumor.**] Hemangioma of the Knee Joint. Julian E. Jacobs and F. Wayne Lee ... 831
[**Tumor.**] Metastatic Adenocarcinoma of the Talus from the Rectosigmoid Region. Report of a Case. E. W. Johnson, Jr., and Joseph M. Janes ... 181
[**Tumor.**] Radiation Osteitis of the Ribs. Report of a Case with Fractures Appearing Four and One-Half and Eleven Years after Therapy. Ernst A. Pohle and Ralph C. Frank ... 654
[**Tumor.**] Restricted Jaw Motion Due to Osteochondroma of the Coronoid Process. Richard T. Shackelford and Webster H. Brown ... 107
[**Tumor.**] A Successful Prosthesis for Sacro-Iliac Disarticulation (Hemipelvectomy). Robert A. Wise 426
Tumoral Calcinosis. J. E. M. Thomson and Frank H. Tanner ... 132
Type of Extension Apparatus, A. A. Von Petz ... 191

U

[**Ulna.**] Fractures of Both Bones of the Forearm in Adults. Robert A. Knight and George D. Purvis 755
Ulnar Nerve Paralysis, Combined Median and, Tendon Transfers and Arthrodeses in. J. William Littler ... 225
Unequal Growth of the Lower Extremities in Anterior Poliomyelitis, Prediction of. Allan J. Stinchfield, John A. Reidy, and Joseph S. Barr ... 478
Universal Splint for Hip Motion. Paul C. Thompson and James H. Cherry ... 434
[**"Ununited Fracture".**] Congenital Coxa Vara. Frank Shaleen Babb, Ralph K. Ghormley, and Carl C. Chatterton ... 115
Unusual Form of de Quervain's Syndrome, An. Report of Two Cases. Ian D. Murphy ... 858
[**Upper Extremity.**] Amputations for Failure in Reconstructive Surgery. Alvin Hulnick, Charles Highsmith, and Frank J. Boutin ... 639
[**Upper Extremity.**] Causes for Amputations Performed at Walter Reed General Hospital during 1947 and 1948. August W. Spittler and Lloyd W. Taylor ... 800
Upper Femoral Epiphysis, Slipping of the. M. Beckett Howorth ... 734
Use of Audio-Visual Aids in Teaching, The. (A Conference of Teachers of Orthopaedic Surgery.) Joseph S. Barr ... 211
Use of Audio-Visual Aids in Teaching, The. (A Conference of Teachers of Orthopaedic Surgery.) Fremont A. Chandler ... 211
Use of Skeletal Traction in the Treatment of Fractures of the Femur, The. Edward M. Winant ... 87
Use of the Technique of Progressive-Resistance Exercise in Adolescence, The. J. Roswell Gallagher and Thomas L. DeLorme ... 847
[**"U Systems".**] Changes in Elastic Adipose Tissue. John G. Kuhns ... 541
Utilizing the Latissimus Dorsi, The Technique of. Muscle Transplantation for Triceps Palsy. Paul H. Harmon ... 409

V

[**Varus Deformity.**] The Iliotibial Band. Its Role in Producing Deformity in Poliomyelitis. Charles E. Irwin ... 141

PAGE

[Vascular Insufficiency.] Causes for Amputations Performed at Walter Reed General Hospital during 1947 and 1948. August W. Spittler and Lloyd W. Taylor 800
[Vertebrae.] A Mortised Transfacet Bone Block for Lumbosacral Fusion. Earl D. McBride 385
Vertebral Bodies, Lumbar, Trephine Biopsy of Bone with Special Reference to the. Robert S. Siffert and Alvin M. Arkin 146
Vertebral Bodies, Nutrient Arteries of the. Theodore A. Willis 538
Vertebral Body, Surgical Approach to the. Arthur A. Michele and Frederick J. Krueger 873
[Vertebral Column.] Myositis Ossificans in Paraplegics. Leo Frederick Miller and Colman J. O'Neill 283
[Vertebral Column.] Spondylitis, Pathological Ossification, and Calcification Associated with Spinal-Cord Injury. Daniel J. Abramson and Samuel Kamberg 275
[Vertebral Wedging.] The Mechanism of the Structural Changes in Scoliosis. Alvin M. Arkin 519
[Villous Arthritis.] The Synovial Membrane of the Knee in Pathological Conditions. Robert Soeur .. 317
Visit to Great Britain of Orthopaedic Surgeons from the United States and Canada, Reports of the. Donald W. Blanche and F. P. Dewar 683
Vitallium-Cup Arthroplasty of the Hip Joint. An End-Result Study. Frank E. Stinchfield and Robert E. Carroll 628
Vitallium-Cup Arthroplasty of the Hip Joint. Review of Approximately One Hundred Cases. Alexander Gibson 861

W

Walter Reed General Hospital, Causes for Amputations Performed at, during 1947 and 1948. August W. Spittler and Lloyd W. Taylor 800
Washington Orthopaedic Club, The 688
[Wedging, Vertebral.] The Mechanism of the Structural Changes in Scoliosis. Alvin M. Arkin 519
Well-Balanced Curriculum in Orthopaedic Surgery, The. (A Conference of Teachers of Orthopaedic Surgery.) Robert W. Johnson, Jr. 206
Well-Balanced Curriculum in Orthopaedic Surgery, The. (A Conference of Teachers of Orthopaedic Surgery.) William T. Green 207
Western Orthopaedic Association, The 219
What Constitutes a Satisfactory Preceptorship Training? (Conference on Post-Graduate Education in Orthopaedic Surgery.) J. Albert Key 904
[Wrist-Extensor Tendons.] Tendon Transfers and Arthrodeses in Combined Median and Ulnar Nerve Paralysis. J. William Littler 225
[Wrist.] An Unusual Form of de Quervain's Syndrome. Report of Two Cases. Ian D. Murphy 858
Wyckoff, Hulett Judson. [Obituary.] 220

Z

[Zygoma.] Restricted Jaw Motion Due to Osteochondroma of the Coronoid Process. Richard T. Shackelford and Webster H. Brown 107